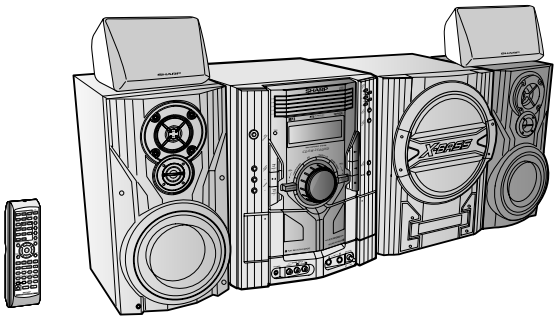
SHARP SERVICE MANUAL

No. S6547CDW250DV



DVD MINI SYSTEM

MODEL CD-SW250DVD

CD-SW250DVD DVD Mini System consisting of CD-SW250DVD (main unit) CP-S250 (front speaker), GBOXSA110AWM1 (surround speaker) and CP-SW250 (subwoofer).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

CONTENTS

CHAPTER 1. GENERAL DESCRIPTION
[1] Specifications 1-1
[2] Names of parts 1-2

CHAPTER 2. ADJUSTMENTS
[1] Mechanism section 2-1
[2] Tuner section 2-1
[3] Standard Specification of Stereo System Error Message Display Contents 2-2
[4] DVD/CD Section 2-2
[5] TEST Mode 2-3
[6] CD Changer mechanism section 2-8

CHAPTER 3. MECHANISM BLOCKS
[1] Caution on diassembly 3-1
[2] Removing and reinstalling the main parts 3-4

CHAPTER 4. DIAGRAMS
[1] Block diagrams 4-1

CHAPTER 5. CIRCUIT DESCRIPTION
[1] Notes on schematic diagram 5-1
[2] Types of transistor and LED 5-1
[3] Waveforms of CD circuit 5-2
[4] Voltage 5-3

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT
[1] Schematic diagram 6-1
[2] Wiring side of PWB 6-13

CHAPTER 7. FLOWCHART
[1] Troubleshooting 7-1

CHAPTER 8. OTHERS
[1] Function table of IC 8-1
[2] FL Display 8-14

Parts Guide

Parts marked with " ⚠ " are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

SAFETY PRECAUTION FOR SERVICE MANUAL

WARNINGS

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1. THEREFORE IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS ARE OBSERVED DURING SERVICING TO PROTECT YOUR EYES AGAINST EXPOSURE TO THE LASER BEAM.

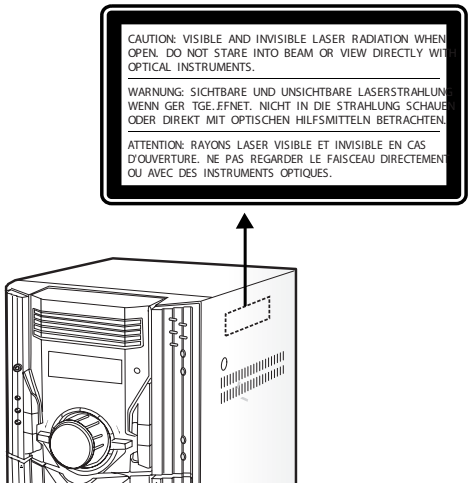
1-WHEN THE CABINET IS REMOVED, THE POWER IS TURNED ON WITHOUT A COMPACT DISC IN POSITION AND THE PICKUP IS ON THE OUTER EDGE THE LASER WILL LIGHT FOR SEVERAL SECONDS TO DETECT A DISC. DO NOT LOOK INTO THE PICKUP LENS.

2-THE LASER POWER OUTPUT OF THE PICKUP UNIT AND REPLACEMENT SERVICE PARTS ARE ALL FACTORY PRESET BEFORE SHIPMENT.
DO NOT ATTEMPT TO READJUST THE LASER PICKUP UNIT DURING REPLACEMENT OR SERVICING.

3-UNDER NO CIRCUMSTANCES STARE INTO THE PICKUP LENS AT ANY TIME.

4-CAUTION-USE OF CONTROLS OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Laser Diode Properties
Material: AlGaAs/InGaAlP
Wavelength: 790 nm/650 nm
Emission Duration: continuous
Laser Output: max. 0.69 mW

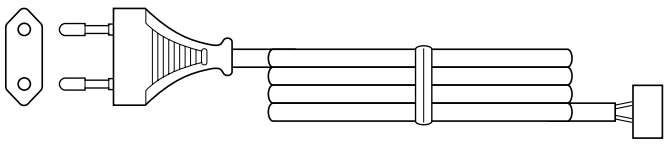

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN
OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WI
OPTICAL INSTRUMENTS.
WARNUNG: SICHTBARE UND UNSICHTBARE LASERSTRAHLUN
WENN GER TGE..FFNET. NICHT IN DIE STRAHLUNG SCHAUE
ODER DIREKT MIT OPTISCHEN HILFSMITTELN BETRACHTEN.
ATTENTION: RAYONS LASER VISIBLE ET INVISIBLE EN CAS
D'OUVERTURE. NE PAS REGARDER LE FAISCEAU DIRECTEMENT
OU AVEC DES INSTRUMENTS OPTIQUES.

VOLTAGE SELECTION

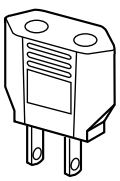
Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows.
Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110 V, 127 V, 220 V or 230 V - 240 V AC).

AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

QACCE0015AW00



QPLGA0004AWZZ



1. Employing lead-free solder

"Main/Display/Tumer/Power/Game Input/DVD Servo/LED/Mic/S-Video Out/Surround/Control" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWB andservice manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

Sn-Ag-Cu Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Ref No.	Parts No.	Description
PWB-A	92LPWB6394MANS	Main/Display
PWB-B	92LPWB6385PWRS	Power/Game Input
PWB-C	92LPWB6394DVDS	DVD Servo (For Philippines)
PWB-C	92LPWB6395DVDS	DVD Servo (Except for Philippines)
PWB-D	92LPWB6385TUNS	Tuner
PWB-E	92LPWB6230LEDS	LED
PWB-F	92LPWB6385MICS	Mic
PWB-G	92LPWB6385DVSS	S-Video Out
PWB-J	92LPWB6394SPKS	Surround
PWB-K	92LPWB6297CTRS	Control

CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

CD-SW250DVD

Main Unit

■ General

Power source	AC 110/127/220/230-240 V, 50/60 Hz
Power consumption	215 W
Dimensions	Width: 260 mm (10-1/4") Height: 330 mm (13") Depth: 326 mm (12-7/8")
Weight	10.5 kg (23.15 lbs.)

■ Amplifier

Output power	Front speakers: MPO: 260 W (130 W + 130 W) (10 % T.H.D.) RMS: 130 W (65 W + 65 W) (10 % T.H.D.) RMS: 90 W (45 W + 45 W) (0.9 % T.H.D.) Surround speakers: MPO: 130 W (65 W + 65 W) (10 % T.H.D.) RMS: 70 W (35 W + 35 W) (10 % T.H.D.) RMS: 50 W (25 W + 25 W) (0.9 % T.H.D.) Subwoofer: MPO: 385 W (10 % T.H.D.) RMS: 200 W (10 % T.H.D.) RMS: 130 W (0.9 % T.H.D.)
Output terminals	Front speakers: 8 ohms Surround speakers: 16 ohms Subwoofer: 12 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Audio digital out: optical
Input terminals	Game/auxiliary (Audio Input): 500 mV/47 k ohms Microphone 1/2: 1 mV/600 ohms Game/Video: 1 Vp-p/75 ohms

■ Cassette deck

Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.3 % (WRMS)

■ DVD/VCD/CD player

Signal system	NTSC/PAL
Supported disc types	DVD (Region number 3, ALL), audio CD, CD-R, CD-RW, VCD, MP3, WMA
Video output	Output socket: Pin socket x 1
S-Video output	Output socket: S-Video connector x 1
Component video output	Output socket: Pin socket x 3
Video signal	Horizontal resolution: 500 lines S/N ratio: 60 dB
Audio signals	Frequency characteristics: Linear PCM DVD: 4 Hz to 22 kHz (48 kHz sampling)/ 4 Hz to 44 kHz (96 kHz sampling) CD: 4 Hz to 20 kHz S/N ratio: 96 dB 1 kHz (CD) Dynamic range: 96 dB (Linear PCM DVD) 96 dB (CD) Total harmonic distortion ratio: 0.006 % maximum

■ Tuner

Frequency range	FM: 88 - 108 MHz AM: 531 - 1,602 kHz

CP-S250

Type	3-way type speaker system Super tweeter 5 cm (2") tweeter 13 cm (5-1/8") woofer
Maximum input power	130 W
Rated input power	65 W
Impedance	8 ohms
Dimensions	Width: 180 mm (7-1/16") Height: 330 mm (13") Depth: 212 mm (8-6/16")
Weight	3.0 kg (6.6 lbs.)/each

GBOXSA110AWM1

Type	8 cm (3-1/8") full-range speaker
Maximum input power	70 W
Rate input power	35 W
Impedance	16 ohms
Dimensions	Width: 160 mm (6-5/16") Height: 110 mm (4-3/8") Depth: 149 mm (5-7/8")
Weight	0.65 kg (1.4 lbs.)/each

CP-SW250

Type	Full Range 20 cm (8") subwoofer
Maximum input power	400 W
Rate input power	200 W
Impedance	12 ohms
Dimensions	Width: 250 mm (9-13/16") Height: 330 mm (13") Depth: 294 mm (11-9/16")
Weight	5.9 kg (13 lbs.)

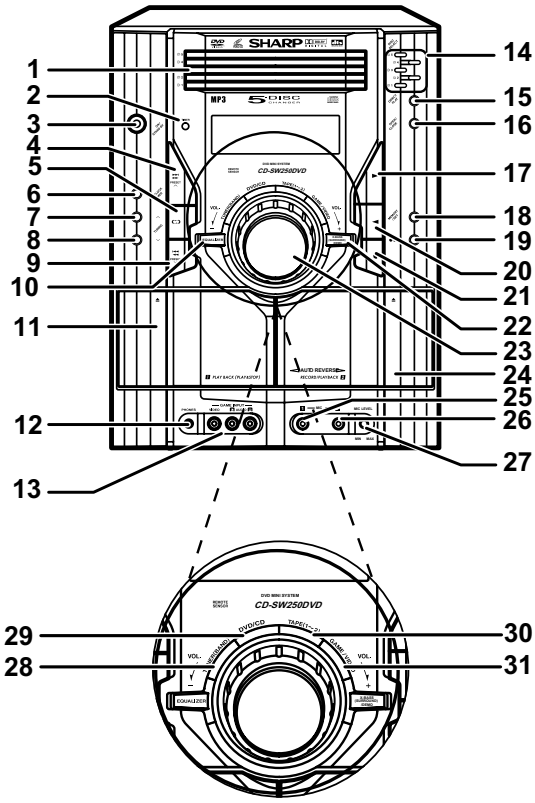
Specifications for this model are subject to change without prior notice.

[2] Names of parts

CD-SW250DVD

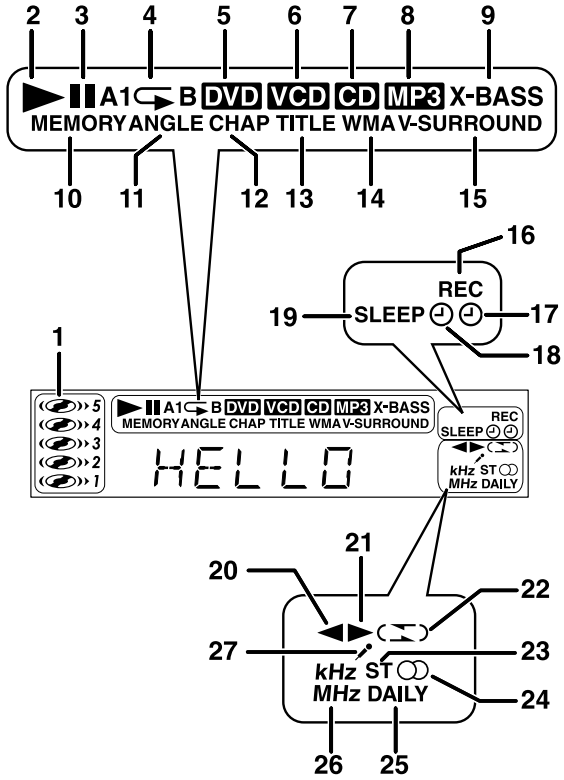
■ Front panel

1. Disc Trays
2. Timer Set Indicator
3. On/Stand-by Button
4. DVD Chapter Skip/DVD/Video CD/CD/MP3/WMA Track Up or Fast Forward, Tape 2 Fast Forward, Tuner Preset Up, Time Up Button
5. Tape 2 Reverse Mode Select Button
6. Clock/Timer Button
7. Tuning Up Button
8. Tuning Down Button
9. DVD Chapter Skip/DVD/Video CD/CD/MP3/WMA Track Down or Fast Reverse, Tape 2 Rewind, Tuner Preset Down, Time Down Button
10. Equalizer Mode Select Button
11. Tape 1 Cassette Compartment
12. Headphone Socket
13. Game/Video Input Socket
14. Disc Number Select Buttons
15. Disc Direct Play Button
16. Disc Tray Open/Close Button
17. DVD/Video CD/CD/MP3/WMA Play, Tape 1 Play, Tape 2 Forward Play Button
18. Memory/Set Button
19. Tape 2 Record Pause Button
20. Tape 2 Reverse Play Button
21. DVD/Video CD/CD/MP3/WMA or Tape Stop Button
22. Extra Bass (Surround)/Demo Mode Button
23. Volume Control
24. Tape 2 Cassette Compartment
25. Microphone Socket 1
26. Microphone Socket 2
27. Microphone Level Control
28. Tuner (Band) Button
29. DVD/CD Button
30. Tape (1 ⇔ 2) Button
31. Game/Video Button



■ Display

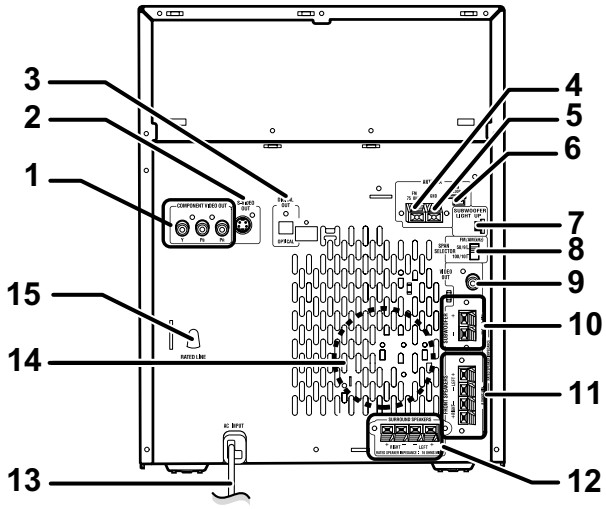
1. Disc Number Indicators
2. DVD/Video CD/CD/MP3/WMA Play Indicator
3. DVD/Video CD/CD/MP3/WMA Pause Indicator
4. DVD/Video CD/CD/MP3/WMA Repeat Indicator
5. DVD Indicator
6. VCD Indicator
7. CD Indicator
8. MP3 Indicator
9. Extra Bass Indicator
10. Memory Indicator
11. DVD Angle Indicator
12. DVD Chapter Indicator
13. DVD Title Indicator
14. WMA Indicator
15. Virtual Surround Indicator
16. Tape Record Indicator
17. Timer Recording Indicator
18. Timer Play Indicator
19. Sleep Indicator
20. Tape 2 Reverse Play Indicator
21. Tape Forward Play Indicator
22. Tape 2 Reverse Mode Indicator
23. FM Stereo Mode Indicator
24. FM Stereo Receiving Indicator
25. Daily Timer Indicator
26. Tuner Receiving Frequency Indicators
27. Karaoke Mode Indicator



CD-SW250DVD

■ Rear panel

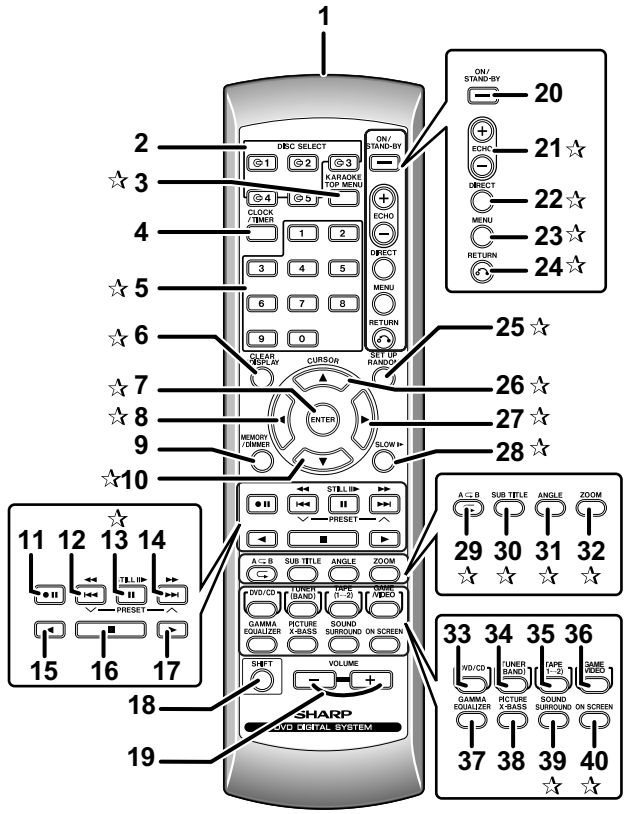
1. **Component Video Out Sockets**
2. **S-Video Output Socket**
3. **Audio Digital Output Socket**
4. **FM 75 Ohms Aerial Terminal**
5. **FM Aerial Earth Terminal**
6. **AM Loop Aerial Socket**
7. **Subwoofer Light Up Socket**
8. **Span Selector Switch**
9. **Video Output Socket**
10. **Subwoofer Terminals**
11. **Front Speakers Terminals**
12. **Surround Speakers Terminals**
13. **AC Power Lead**
14. **Cooling Fan**
15. **AC Voltage Selector**



Note:
This product is equipped with a cooling fan inside, which begins to run once the power is on for better heat radiation.

■ Remote control

1. Remote Control Transmitter
2. Disc Number Select Buttons
3. **DVD Top Menu Button**
4. Clock/Timer Button
5. **Direct Search Button**
6. **Clear/Display Button**
7. **Enter Button**
8. **Cursor Left Button**
9. Memory/Dimmer Button
10. **Cursor Down Button**
11. Tape Record Pause Button
12. DVD Chapter Skip/DVD/Video CD/MP3/ WMA Fast Reverse/Video CD/ CD/MP3/WMA track up/Tape Fast Wind and Tuner Preset Down, Time Down Button
13. **DVD/Video CD/CD/MP3/WMA Pause Button**
14. DVD Chapter Skip/DVD/Video CD/MP3/WMA Fast Forward/Video CD/ CD/MP3/WMA track up/Tape Fast Wind and Tuner Preset Up, Time Up Button
15. Tape Reverse Play Button
16. DVD/Video CD/CD/MP3/WMA/Tape Stop Button
17. DVD/Video CD/CD/MP3/WMA/Tape Play Button
18. Shift Button
19. Volume Up or Down Button
20. On/Stand-by Button
21. **Echo Level Up/Down Button**
22. **DVD Direct Button**
23. **DVD Menu Button**
24. **Return Button**
25. **CD Random Button**
26. **Cursor Up Button**
27. **Cursor Right Button**
28. **DVD/Video CD Slow Button**
29. **DVD/Video CD/CD/MP3/WMA Repeat Button**
30. **DVD Subtitle Button**
31. **DVD Angle Button**
32. **DVD Zoom Button**
33. DVD/Video CD/CD/MP3/WMA Button
34. Tuner (Band) Button
35. Tape (1 ⇀ 2) Button
36. Game/Video Button
37. Equaliser Mode Select Button
38. Extra Bass Button
39. **DVD 3-D Virtual Surround Button**
40. **DVD On Screen Button**

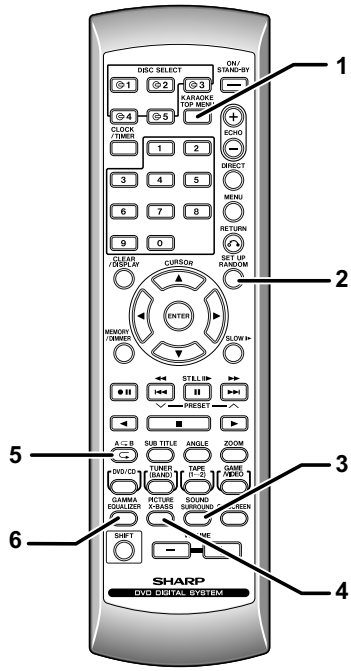


Buttons with "☆" mark in the illustration can be operated on the remote control only.

CD-SW250DVD

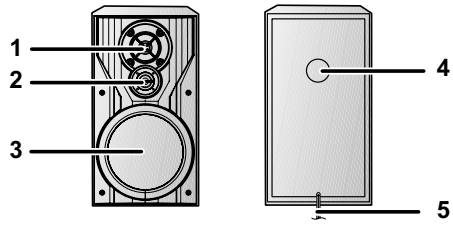
■ Remote control with shift button

1. Karaoke/Audio Mode Button
2. DVD Setup Button
3. DVD Sound Button
4. DVD Picture Button
5. DVD/Video CD/CD A-B Repeat Button
6. DVD Gamma Button



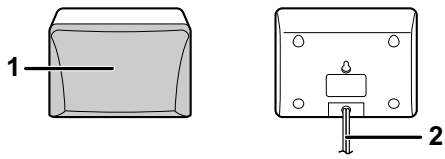
CP-S250

1. Tweeter
2. Super Tweeter
3. Woofer
4. Bass Reflex Duct
5. Speaker Wire



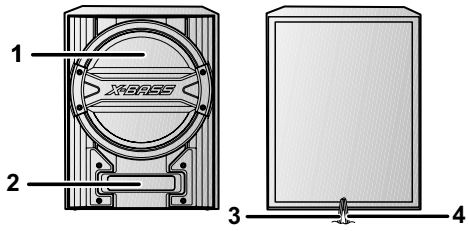
GBOXSA110AWM1

1. Full-Range Speaker
2. Speaker Wire



CP-SW250

1. Subwoofer
2. Bass Reflex Duct
3. Subwoofer Light-Up Wire
4. Speaker Wire



CHAPTER 2. ADJUSTMENTS

[1] Mechanism section

- Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

- Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
	—	70 to 180 g.cm

- Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz Speaker	Speaker Terminal (Load resistance: 6 ohms)

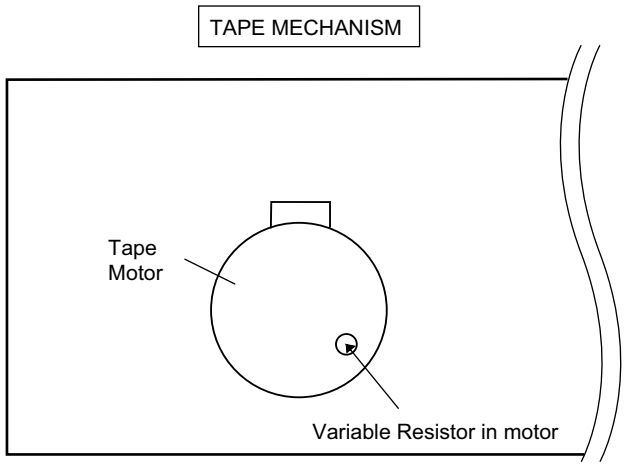


Figure 1

[2] Tuner section

fL: Low-range frequency

fH: High-range frequency

- AM IF/RF

  Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,620 kHz	T351	*1
AM Band Coverage	—	522 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna Output: TP302
*2. Input: Antenna Output: TP301

- FM RF

  Signal generator: 1 kHz, 40 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301 (fL): 1.3 V ± 0.1 V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker terminal

- FM IF

  Signal generator: 10.7 MHz, FM modulated

Test Stage	Frequency	Frequency Display	Setting/Adjusting Point	Instrument Connection
IF	10.7 MHz	98 MHz	T302 (Turn the core of transformer T302 fully counter clockwise)	*1

*1. Input: Antenna Output: TP301

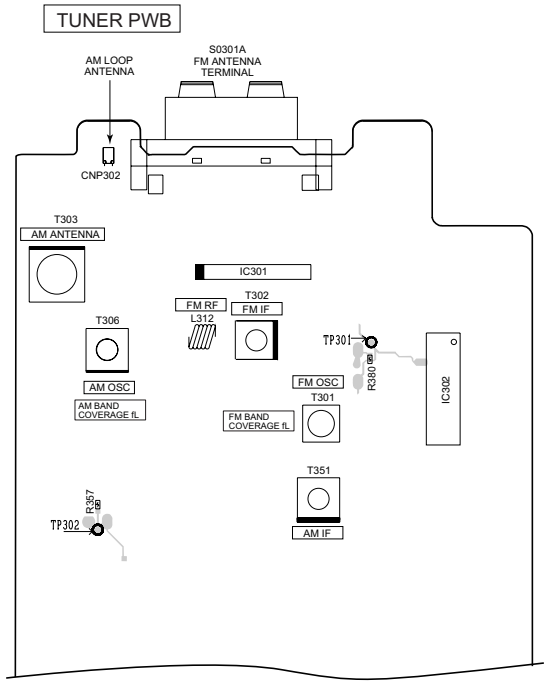


Figure 2 Adjustment Points

[3] Standard Specification of Stereo System Error Message Display Contents

Error Contents		Display	Notes
CD	Pickup Mechanism Error.	'ER-CD01'	PU-IN SW Detection NG.
	CD Changer Mechanism Error.	'ER-CD**' (*)	10: CAM SW Detection NG during normal operation 11: CAM SW Detection NG during initialize process 20:TRAY SW Detection NG during normal operation 21:TRAY SW Detection NG during initialize process
	DVD Communication Error.	'ER-CD30'	DVD COMMUNICATION ERROR.
	Focus Not Match/IL Time Over.	'NO DISC'	
TUNER	PLL Unlock.	FM 87.5 MHz	PLL Unlock.

(*) CHECKING:

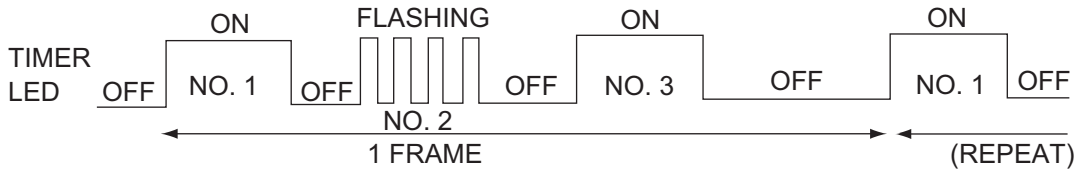
If CD changer mechanism error is detected, 'CHECKING' will be display instead of 'ER-CD**'. 'ER-CD**' display will only be display when error had been detected for the 5 th times.

Speaker abnormal detection and +B PROTECTION display

In case speaker abnormal detection or +B PROTECTION had occurred, the unit will automatically enter to stand-by mode and Timer indicator will Flashing as below.

+B PROTECTION is condition when irregular process occur on power supply line.

Example: In case of speaker abnormal.



NO. 1 : +B PROTECTION
NO. 2 : Speaker abnormal
NO. 3 : DVD +B PROTECT

BEFORE TRANSPORTING THE UNIT

The following process need to be taken after set tapering/parts replacement.

1. Press the ON/STAND-BY button to enter stand-by mode.
2. While pressing down the ■ button and the X-BASS/DEMO button, press the ON/STAND-BY button. The Micro Computer version number will be displayed as "BD******".
3. Press OPEN/CLOSE button until "WAIT"→ "FINISHED" appears.
4. Unplug the AC cord and the unit is ready for transporting.

[4] DVD/CD Section

1. DVD SECTION

- **Adjustment**

  Since this DVD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

  Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
   * Focus offset adjustment
   * Tracking offset adjustment
2) Tracking balance adjustment
3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0 dB.)
   * Focus gain adjustment
   * Tracking gain adjustment

DVD/CD Error code description

Error	Explanation
10*	CAM error. Can't detect CAM switch when CAM is moving.
11*	When it detect cam operation error during initialize process.
20*	TRAY error. Can't detect TRAY switch when TRAY is moving.
21*	When it detect TRAY operation error during initialize process.
30	When it change to DVD/CD function, DVD cannot read initial data.

* 'CHECKING'

If Error is detected, 'CHECKING' will be displayed instead of 'ER-CD**'. 'ER-CD**' display will only be displayed when error had been detected for the 5th times.

[5] TEST Mode

1. TEST Mode Functions

1.1. Entering the TEST Mode

While holding down both the ■ button and the X-BASS/DEMO button of the main unit from the power-off state, press the ON/STAND-BY button to enter the Test Menu Mode.

1.2. Test mode processing

- When entering the TEST Mode, the ROM version are displayed as follows.

  Version on the FL display: BD***** (****: Version No.)

1.3. TEST Mode button

- Press direct designation button during the version display to enter the specified TEST Mode as shown below.

TEST MODE

No.	TEST Mode	Direct Designation Button
1	SHIPPING TEST	open/close
2	DVD TEST	DVD/CD
3	DVD DISPLAY TEST	disc 2

1.4. Canceling TEST Mode

1. Press the ON/STAND-BY button in each TEST Mode.
2. It is necessary to play-off the A/C cord after “FINISHED” is displayed on the FL for SHIPPING TEST

2. Shipping TEST Mode

2.1. Outline

- ID command for initialization is sent to the DVD unit and E2PROM in the unit is initialized.
- System Microcomputer and DVD changer initializerd

2.2. TEST Mode Operation

When entering the Shipping TEST Mode:

1. “WAIT” is displayed on the FL display.
2. “FINISHED” shall be kept displaying after Initiation is completed.

   Manually play off the A/C cord to get out of the TEST Mode.

   When Initialization is failed, “ERR” remains to be shown on the FL display until play off the A/C cord.

2.3. Supplementary Note

1. When entering this TEST Mode, it is prohibited to press any key until the above processing is completed.

3. DVD TEST Mode

3.1. Outline

- To send key codes of the TEST Mode 1 to the DVD unit to start the TEST Mode.
- Thereafter the system’s microcomputer only sends key codes to the DVD unit.
- The main unit operation is started in the same way as the normal startup of the DVD/CD Function.
- Only monitor (video) output is normally controlled. “MUTE ON” remained.
- During this TEST Mode, “DV******” (******: dvd version is shown on the FL display.

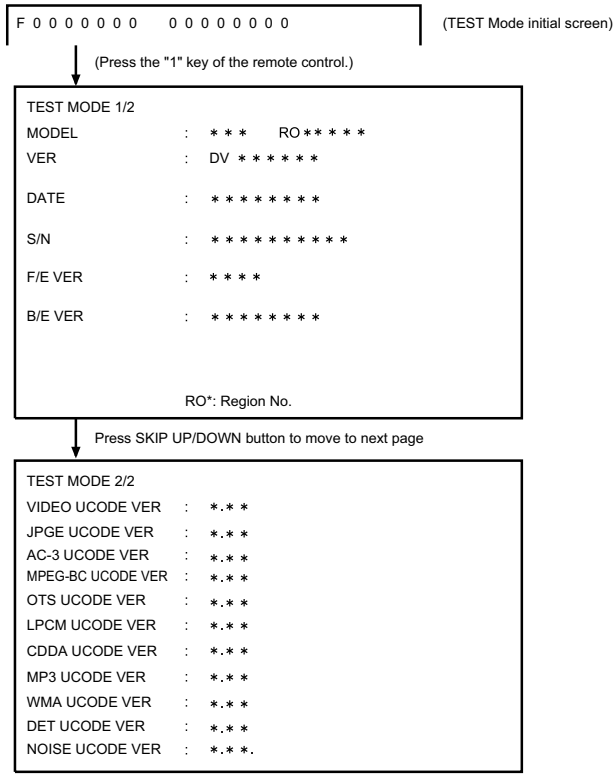
  (Display is shown by OSD. Main unit display not available.)

3.2. TEST Mode Operation

1. The TEST Mode is started in the same way as the normal startup of the DVD/CD Function. Then the DVD unit is normally started. During the TEST Mode, “DV******” is continuously displayed.

3.3. DVD TEST Mode

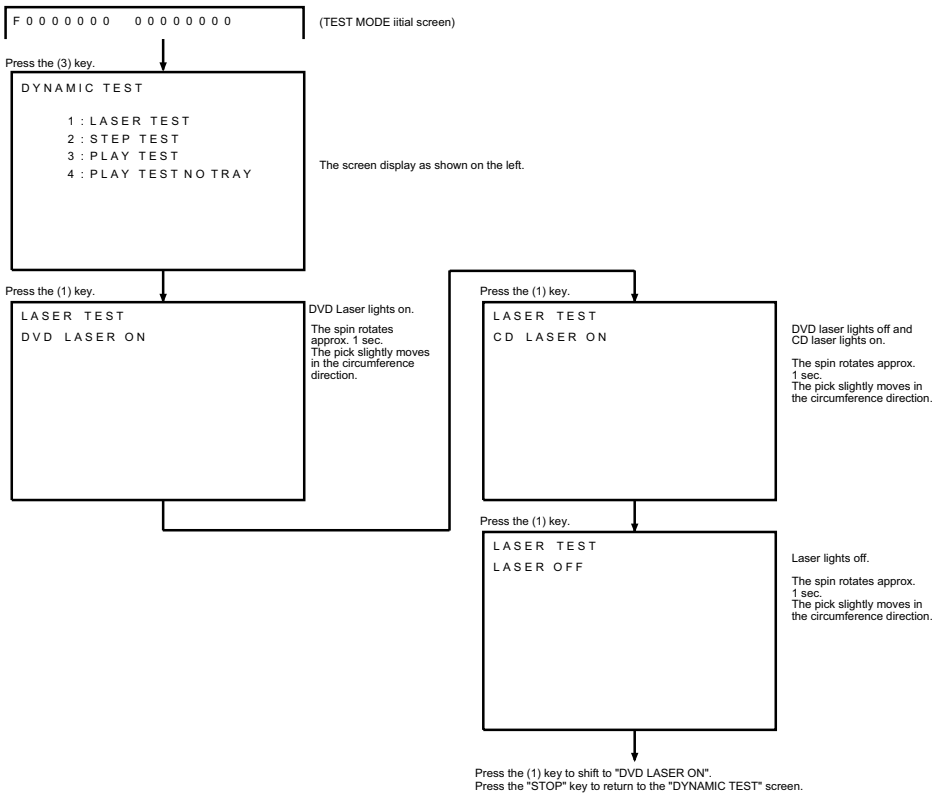
1. Press the DISC2 buttonon the main unit from the TEST Mode initial condition to enter "DVD TEST".


F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(TEST Mode initial screen)
(Press the "1" key of the remote control.)
TEST MODE 1/2
MODEL : * * * RO* * * * *
VER : DV * * * * * *
DATE : * * * * * * * *
S/N : * * * * * * * * * *
F/E VER : * * * *
B/E VER : * * * * * * * *
RO*: Region No.
Press SKIP UP/DOWN button to move to next page
TEST MODE 2/2
VIDEO UCODE VER : *.* *
JPGE UCODE VER : *.* *
AC-3 UCODE VER : *.* *
MPEG-BC UCODE VER : *.* *
OTS UCODE VER : *.* *
LPCM UCODE VER : *.* *
CDDA UCODE VER : *.* *
MP3 UCODE VER : *.* *
WMA UCODE VER : *.* *
DET UCODE VER : *.* *
NOISE UCODE VER : *.* *.

Note:
Press RETURN button to return to initial screen.

LASER TEST Mode

1. Press the DISC2 button on the main unit from the TEST Mode initial condition to enter "DVD TEST".


F 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(TEST MODE iitial screen)
Press the (3) key.
DYNAMIC TEST
1 : LASER TEST
2 : STEP TEST
3 : PLAY TEST
4 : PLAY TEST NO TRAY
The screen display as shown on the left.
Press the (1) key.
LASER TEST
DVD LASER ON
DVD Laser lights on.
The spin rotates approx. 1 sec.
The pick slightly moves in the circumference direction.
Press the (1) key.
LASER TEST
CD LASER ON
DVD laser lights off and CD laser lights on.
The spin rotates approx. 1 sec.
The pick slightly moves in the circumference direction.
Press the (1) key.
LASER TEST
LASER OFF
Laser lights off.
The spin rotates approx. 1 sec.
The pick slightly moves in the circumference direction.
Press the (1) key to shift to "DVD LASER ON".
Press the "STOP" key to return to the "DYNAMIC TEST" screen.

Step Execute Mode

1. Press the DISC2 button on the main unit from the TEST Mode initial condition to enter DVD TEST.

```
F00000000  000000000
```
(TEST MODE initial screen)

Press the (3) key.

```
DYNAMIC TEST

    1:LASER TEST
    2:STEP TEST
    3:PLAY TEST
    4:PLAY TEST NO TRAY
```
The screen display as shown on the left.

Press the (2) key.

```
STEP TEST
TRAY OPEN
```
Open the tray manually.
Put the disc on the tray and close it.

Press the "PLAY" key.

```
STEP TEST
MEDIA JUDGE
DVD
SGC0        0000    SGC1        0000
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       ****    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Media judgement
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
FOCUS ON
DVD
SGC0        0000    SGC1        0000
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       ****    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Focus On
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
TRACKING ON
DVD
SGC0        0000    SGC1        0000
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       0000    TBAL1       0000
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Tracking On
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
AGC STUDY
DVD
SGC0        0000    SGC1        0000
FGAIN0      0000    FGAIN1      0000
TGAIN0      0000    TGAIN1      0000
FBAL0       ****    FBAL1       ****
TBAL0       0000    TBAL1       0000
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Auto gain control adjustment
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
3TBST FBAL STUDY
DVD
SGC0        0000    SGC1        0000
FGAIN0      0000    FGAIN1      0000
TGAIN0      0000    TGAIN1      0000
FBAL0       0000    FBAL1       0000
TBAL0       0000    TBAL1       0000
3TBST0      0000    3TBST1      0000
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Focus balance adjustment
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
PLAY TEST
DVD ID 8-digit numeric

SGC0        0000    SGC1        0000
FGAIN0      0000    FGAIN1      0000
TGAIN0      0000    TGAIN1      0000
FBAL0       0000    FBAL1       0000
TBAL0       0000    TBAL1       0000
3TBST0      0000    3TBST1      0000
FEOFFSET0   0000    FEOFFSET1   0000
TEOFFSET0   0000    TEOFFSET1   0000
```
Play test
8-digit numeric of DVD ID grows
"0000": 4-digit alphanumeric

Press the "STOP" key to return to the DYNAMIC TEST screen.
Turn the power off to exit the TEST MODE.

Press the "PLAY" key.

```
STEP TEST
MEDIA JUDGE
CD
SGC0        0000    SGC1        ****
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       ****    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Media judgement
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
FOCUS ON
CD
SGC0        0000    SGC1        ****
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       ****    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Focus On
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
TRACKING ON
CD
SGC0        0000    SGC1        ****
FGAIN0      ****    FGAIN1      ****
TGAIN0      ****    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       0000    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Tracking On
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
AGC STUDY
CD
SGC0        0000    SGC1        ****
FGAIN0      0000    FGAIN1      ****
TGAIN0      0000    TGAIN1      ****
FBAL0       ****    FBAL1       ****
TBAL0       0000    TBAL1       ****
3TBST0      ****    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Auto gain control adjustment
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
STEP TEST
3TBST FBAL STUDY
CD
SGC0        0000    SGC1        ****
FGAIN0      0000    FGAIN1      ****
TGAIN0      0000    TGAIN1      ****
FBAL0       0000    FBAL1       ****
TBAL0       0000    TBAL1       ****
3TBST0      0000    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Focus balance adjustment
"0000": 4-digit alphanumeric

Press the "PLAY" key.

```
PLAY TEST
CD NO2-digit numeric  TIME6-digit numeric

SGC0        0000    SGC1        ****
FGAIN0      0000    FGAIN1      ****
TGAIN0      0000    TGAIN1      ****
FBAL0       0000    FBAL1       ****
TBAL0       0000    TBAL1       ****
3TBST0      0000    3TBST1      ****
FEOFFSET0   0000    FEOFFSET1   ****
TEOFFSET0   0000    TEOFFSET1   ****
```
Play test
6-digit numeric of TIME grows
"0000": 4-digit alphanumeric

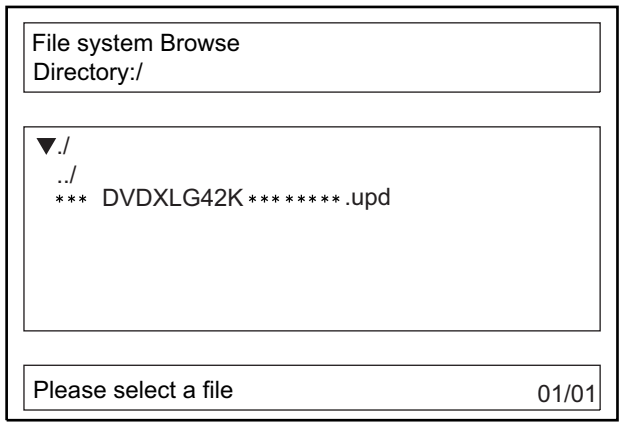
Press the "STOP" key to return to the DYNAMIC TEST screen.
Turn the power off to exit the TEST MODE.

3.4. ROM Rewrite Mode

1. Creating version upgrade disc
   - Write the following three files on CD-R/CD-RW.
     - ********.upd

     (********: Names differ according to versions)
   - Write the files at lowest possible speed.
   - Do not mix other data.
2. During normal power-on, insert the version upgrade disc.
3. Normal disc reading process is started. After finish toc read process. The version are displayed on OSD..

OSD display (Example)



4. Select the desired ROM data using cursor ↑,↓ keys, then press ENTER. Then the Flash Rom rewrite is entered. OSD will display “Now Opdate”

OSD display (Example)

5. When rewrite is normally completed, OSD will off. (Screen become black for a while).
6. Then logo will appear in OSD again as normal DVD start up process.
7. Confirming the version
   - A few moments after entering the DVD TEST Mode, “VD ******” is displayed on the main unit.

     (******: 6-digit numeric version code)
   - To confirm the detailed version information, press the “1” key of the remote control.

     The system information is displayed on the OSD display. (“********”: Version name) Check that the version name conforms to the write data.

     Description of version name

     *The format may be changed.

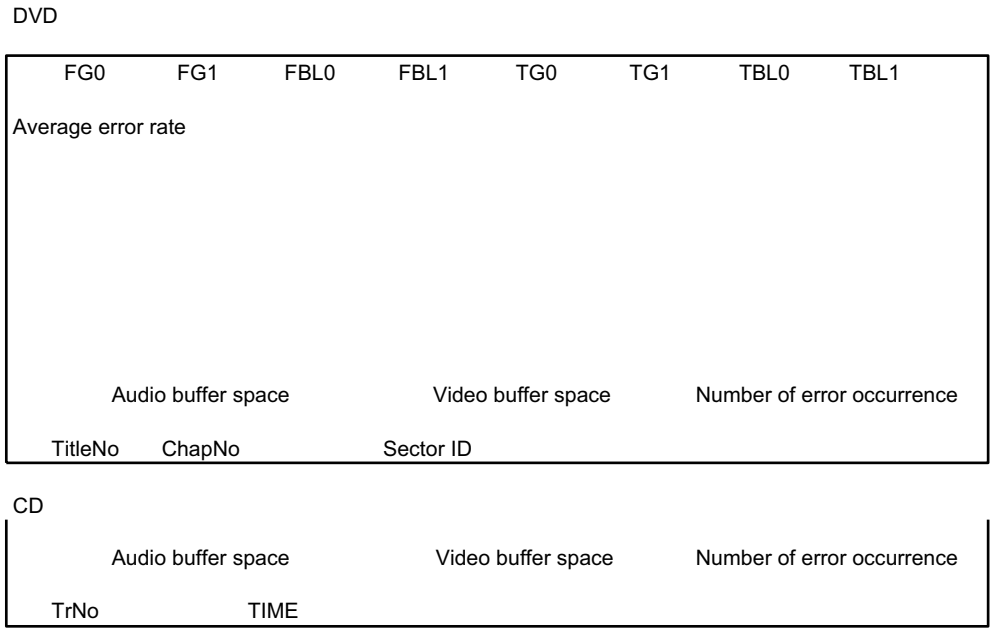
     Example: VER: DV50413B
     From the left:
     DV : DVD model

     5 0 4 1 3 B : Version
8. Press the POWER button to exit the test mode
9. Enter to DVD TEST Mode again and press DISC5 button to initialize the DVD software.
   - The unit will Power on and off automatically and “COMPLETE” will be displayed on the FL display after completed.

3.5. DVD Display Test

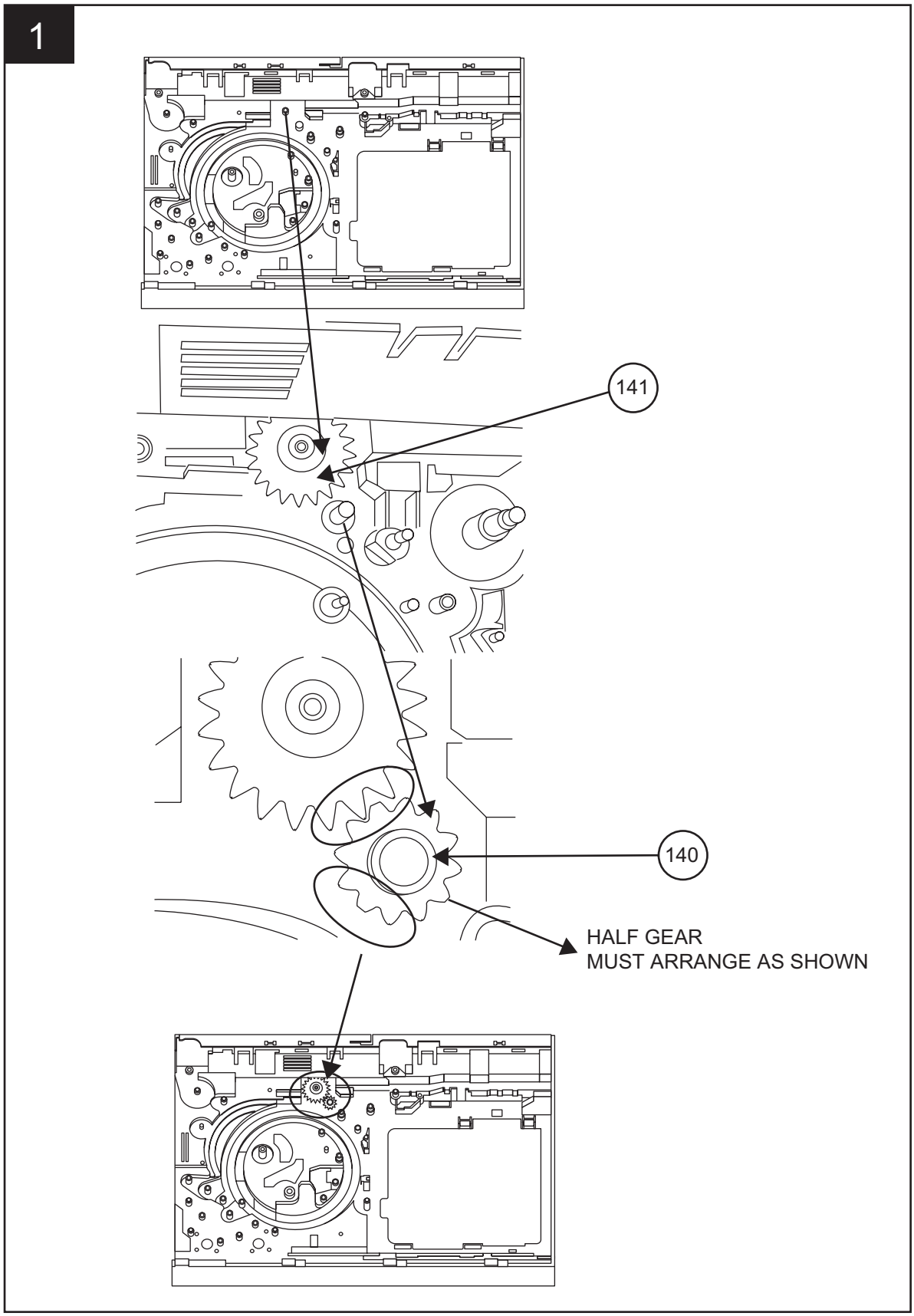
To display servo adjustment values, error rates, laser current, etc. during DVD playback.

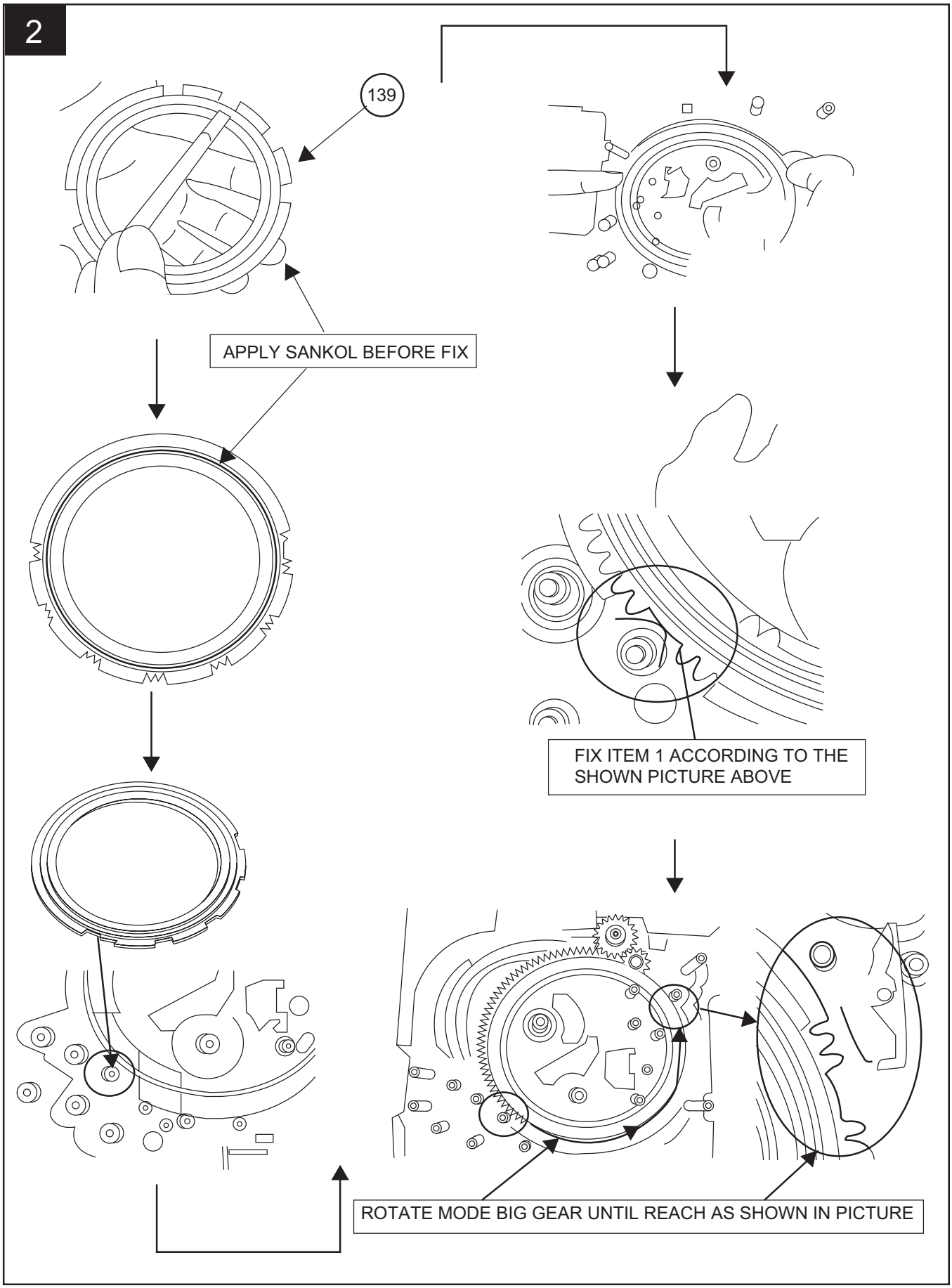
1. Press the DISC 1 button on the main unit from the TEST Mode initial condition.
2. The main unit poeration is started in the same way as the normal stand-up of the DVD/CD function.
3. Press the Tuner/Band button to display DVD adjustment values, etc. Press it again and the display disappears and the normal screen returns.
   The error rates displayed are for reference; they are not the judging criteria.
4. Press the “Power” button to cancel this mode.



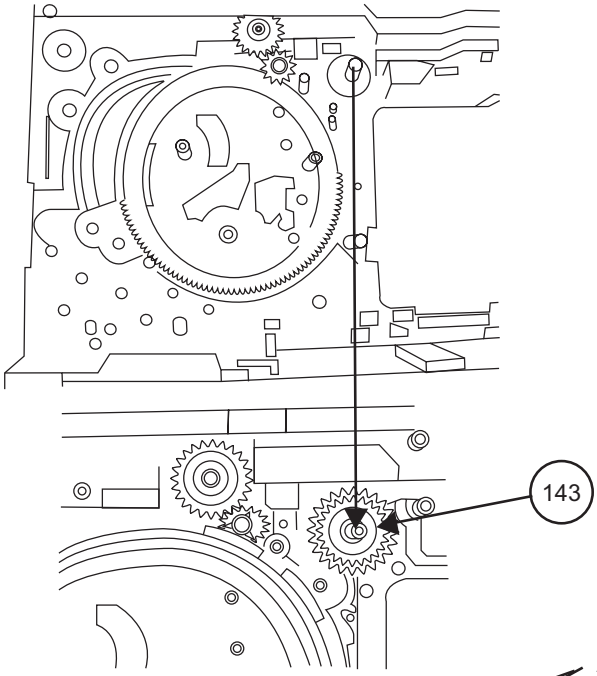
[6] CD Changer mechanism section

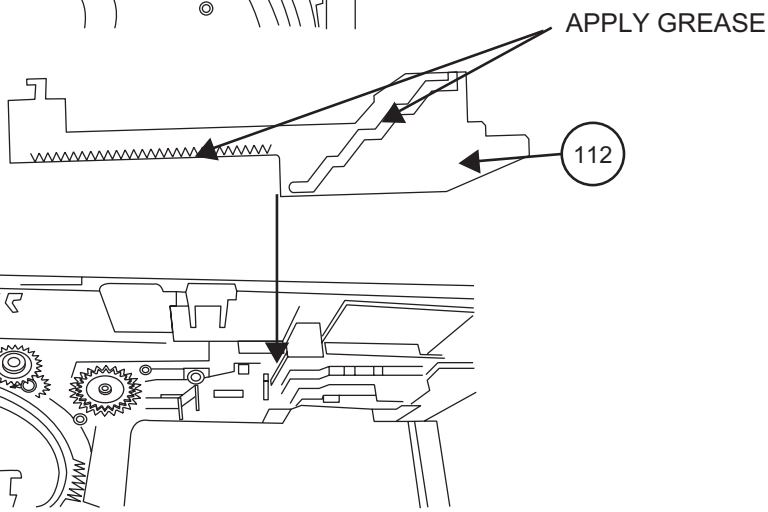
- A number in the drawing sheet is the number of the parts guide (CHANGER MECHANISM PARTS).

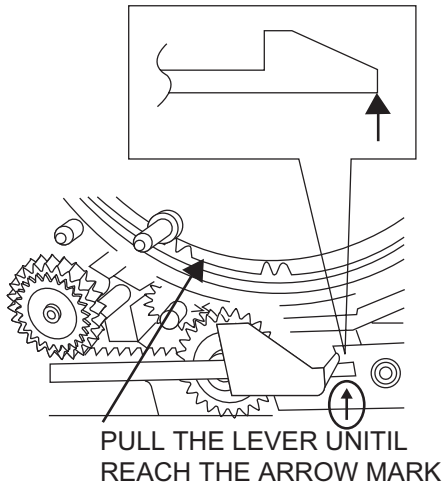


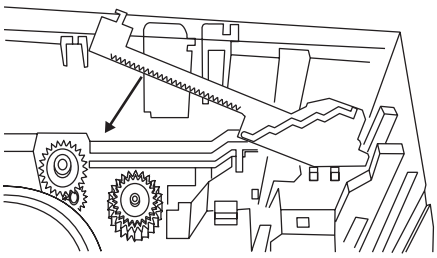

2
139
APPLY SANKOL BEFORE FIX
FIX ITEM 1 ACCORDING TO THE SHOWN PICTURE ABOVE
ROTATE MODE BIG GEAR UNTIL REACH AS SHOWN IN PICTURE

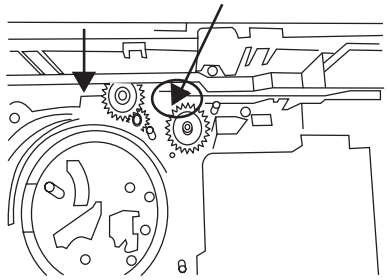
3


143


APPLY GREASE
112


PULL THE LEVER UNITIL
REACH THE ARROW MARK





4

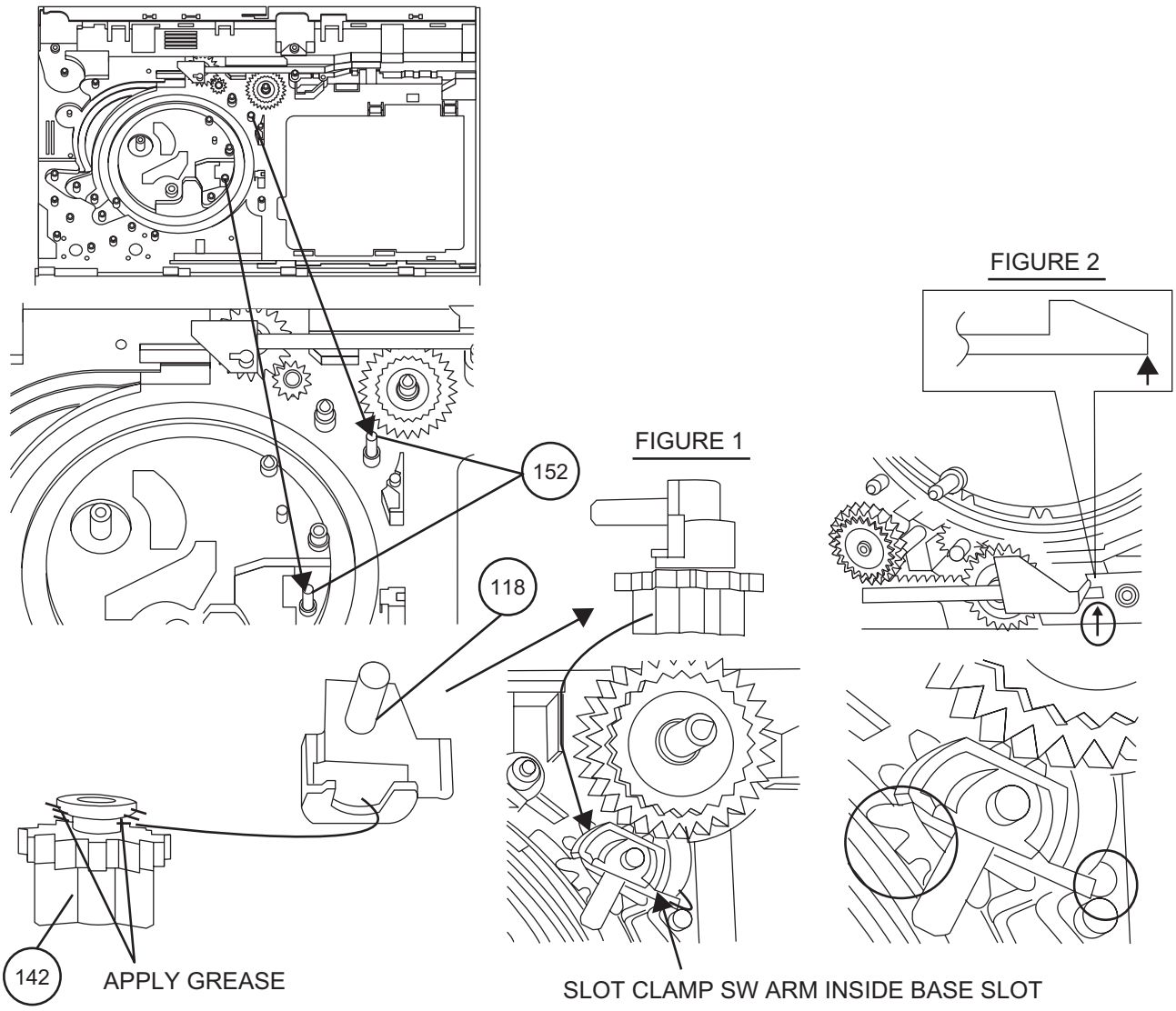


FIGURE 1

FIGURE 2

5

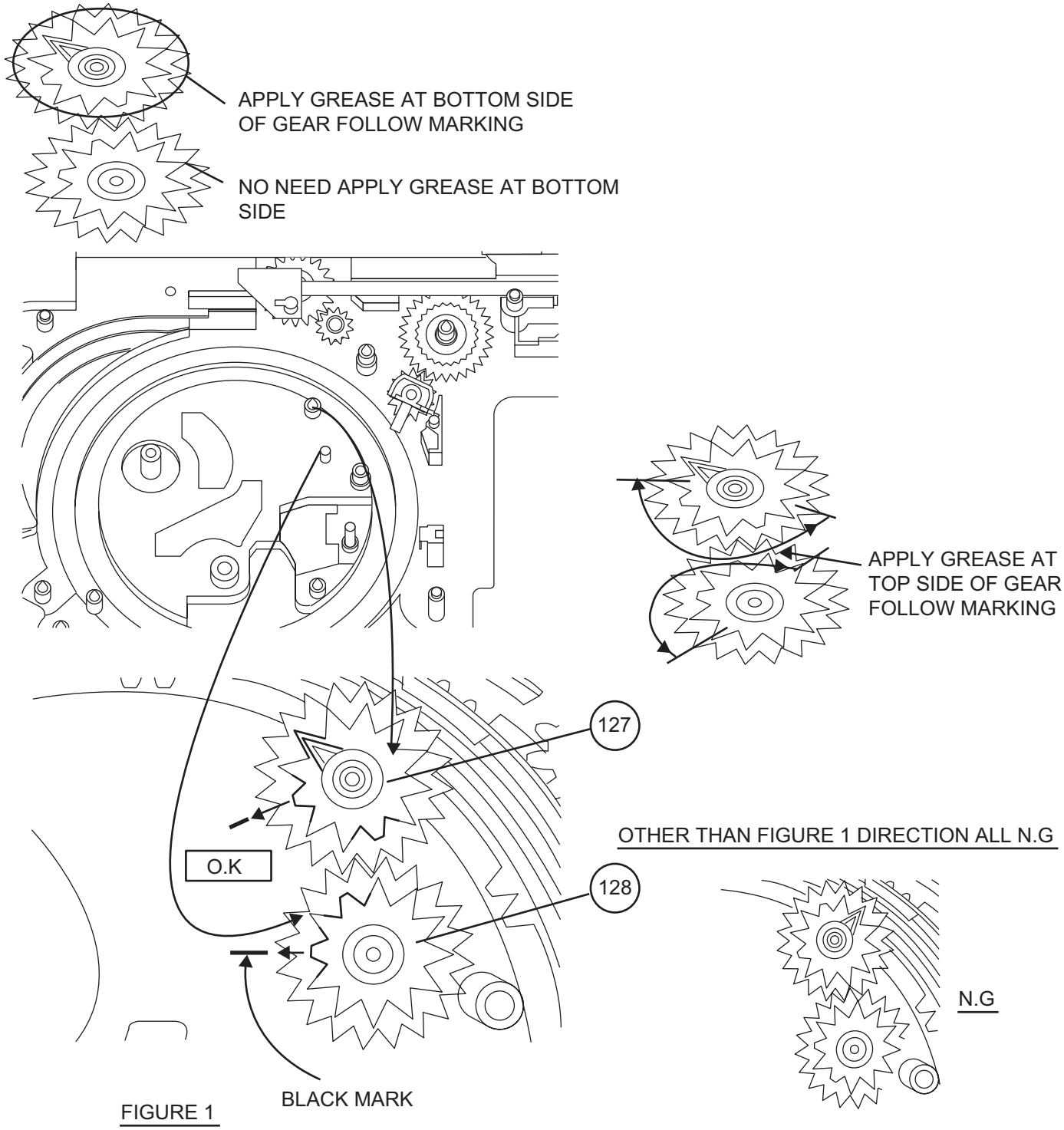
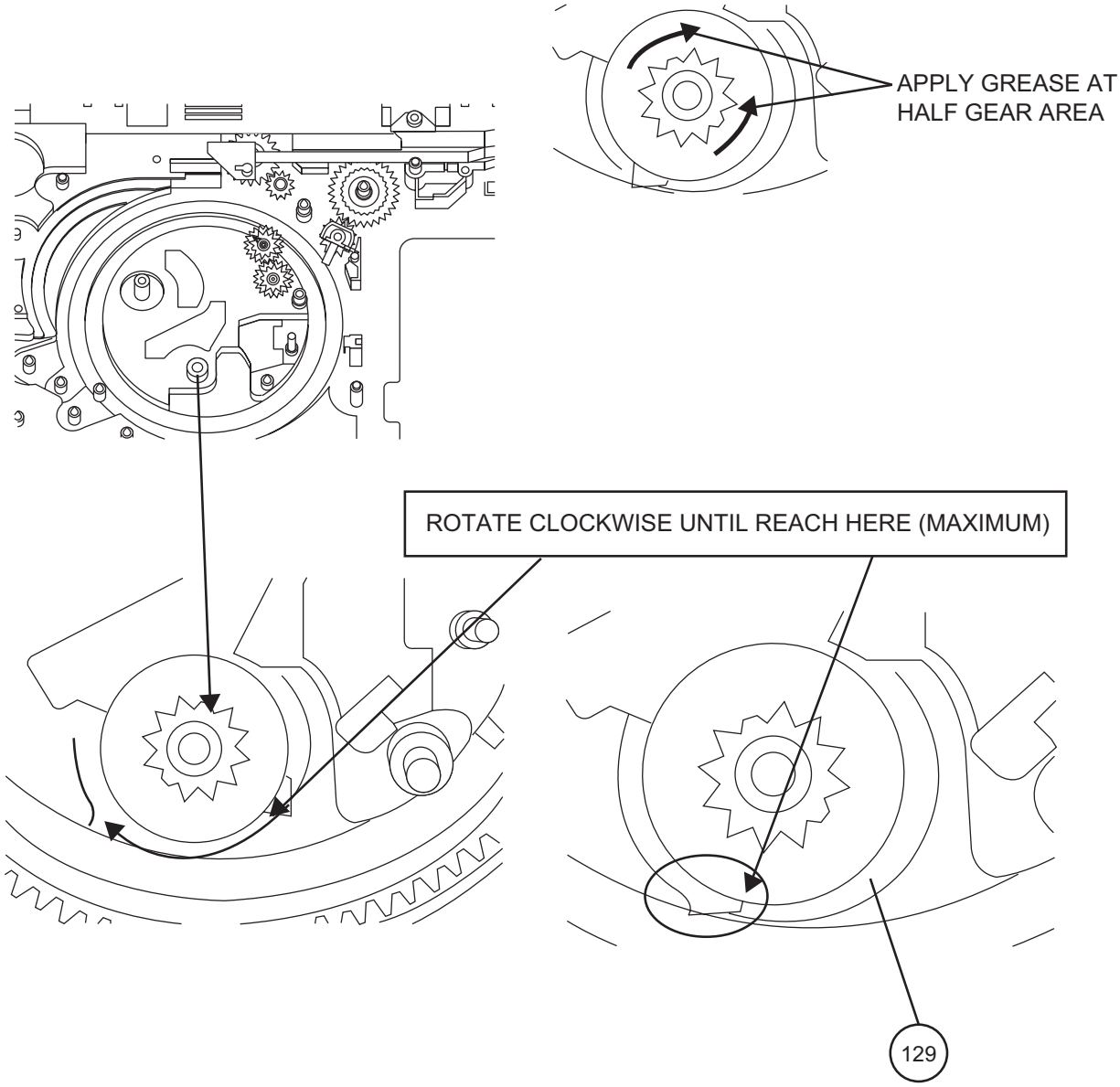
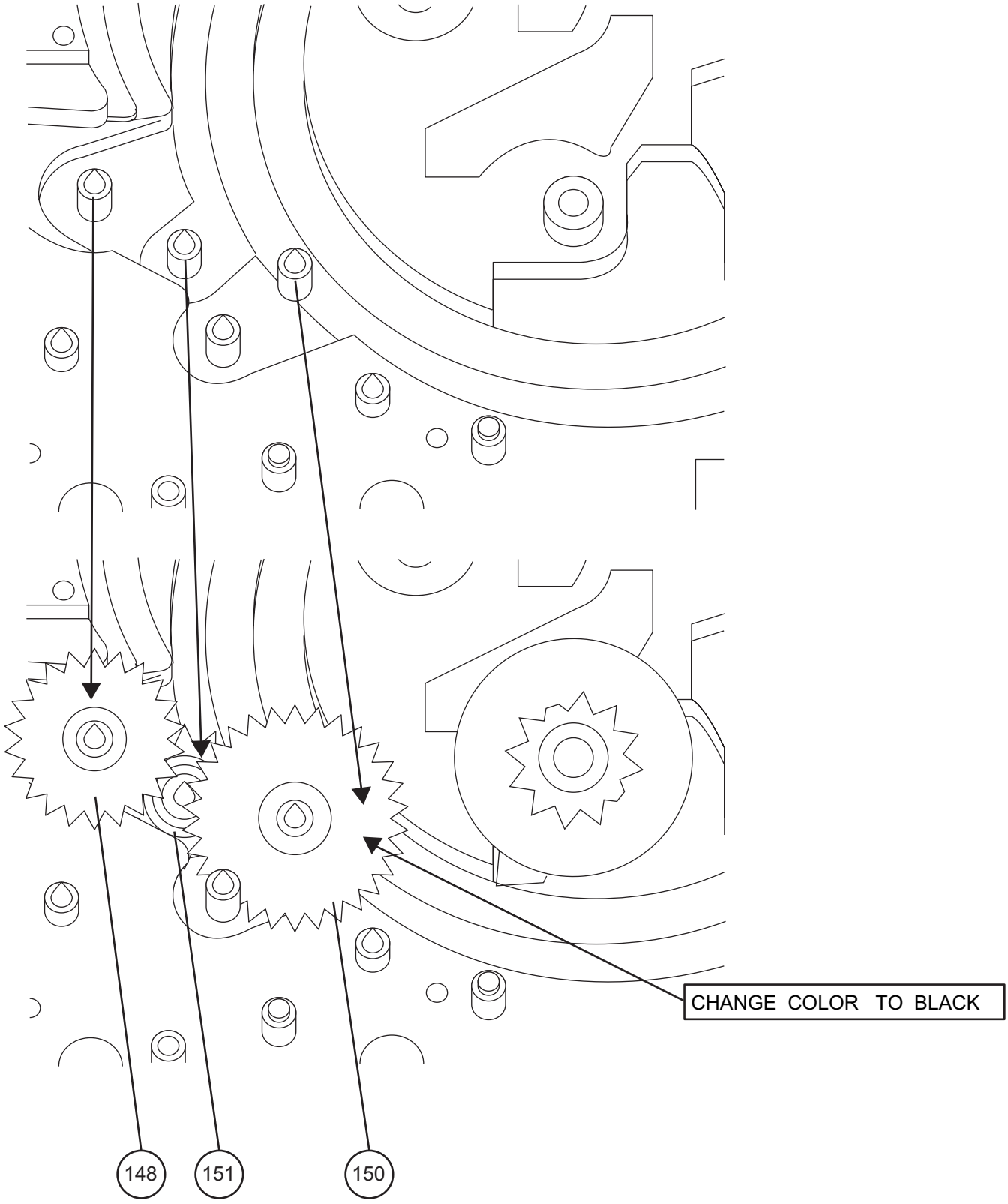

APPLY GREASE AT BOTTOM SIDE OF GEAR FOLLOW MARKING
NO NEED APPLY GREASE AT BOTTOM SIDE
APPLY GREASE AT TOP SIDE OF GEAR FOLLOW MARKING
127
128
O.K
OTHER THAN FIGURE 1 DIRECTION ALL N.G
N.G
BLACK MARK

FIGURE 1

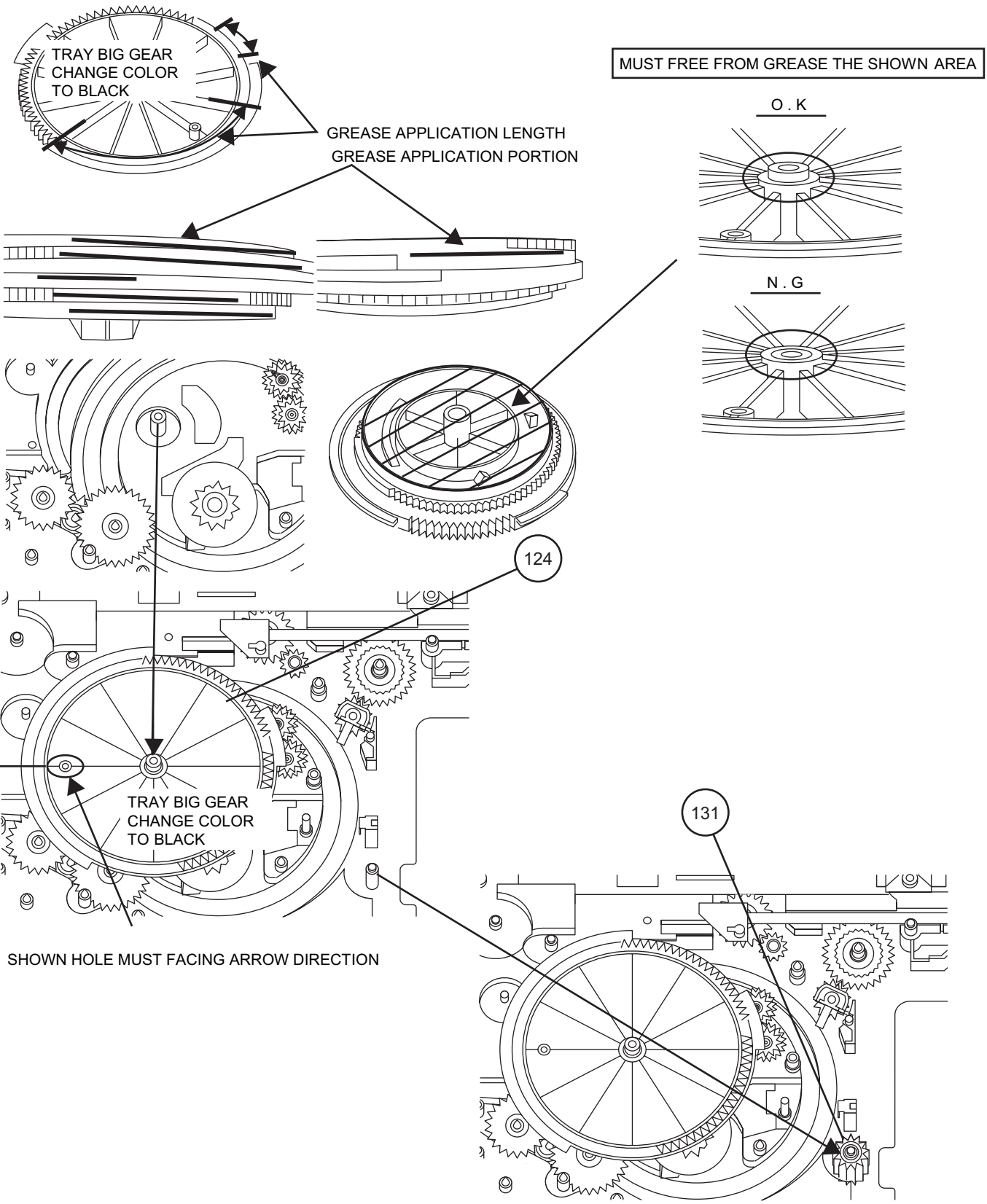
6


APPLY GREASE AT
HALF GEAR AREA
ROTATE CLOCKWISE UNTIL REACH HERE (MAXIMUM)
129

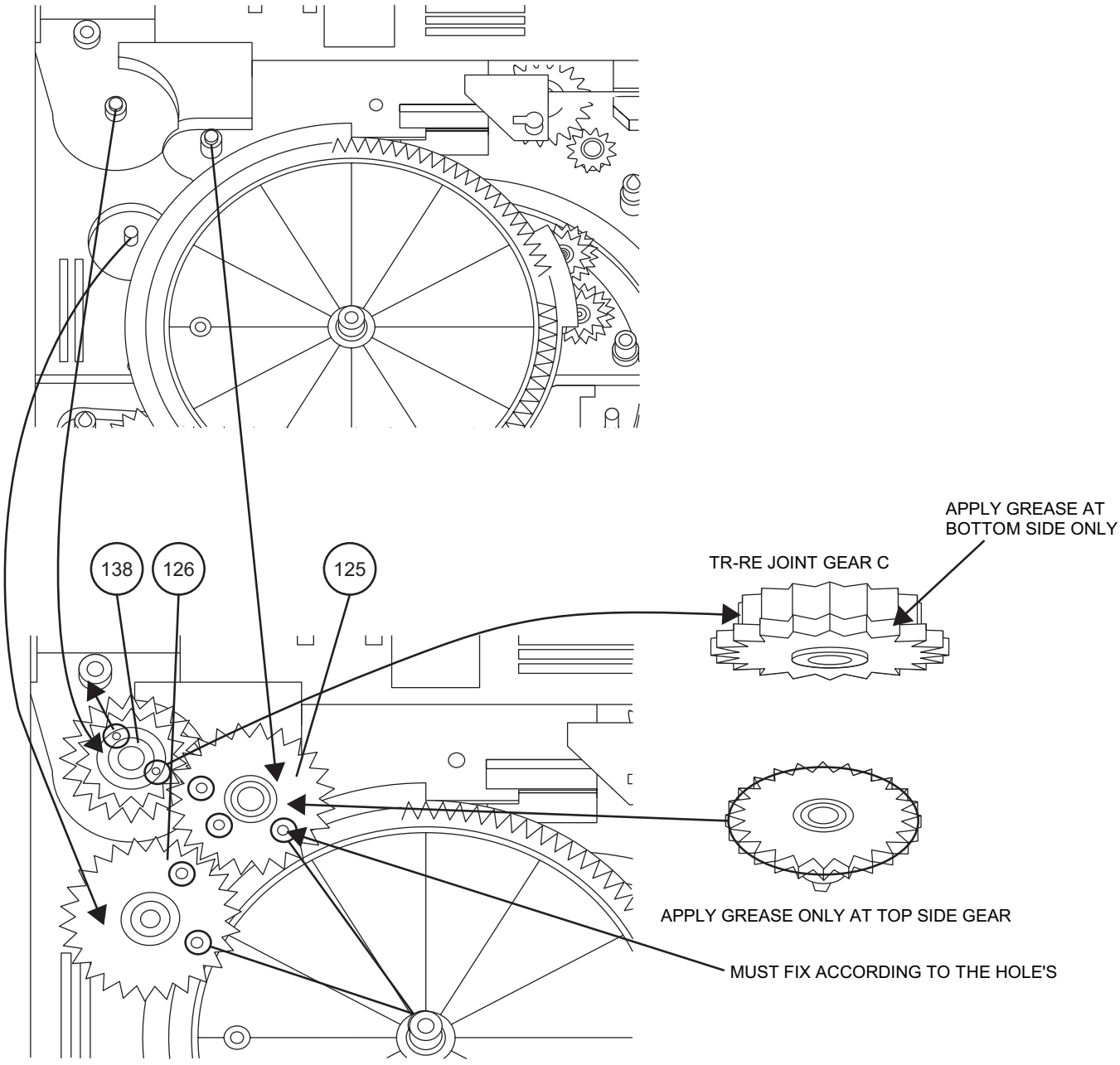
7



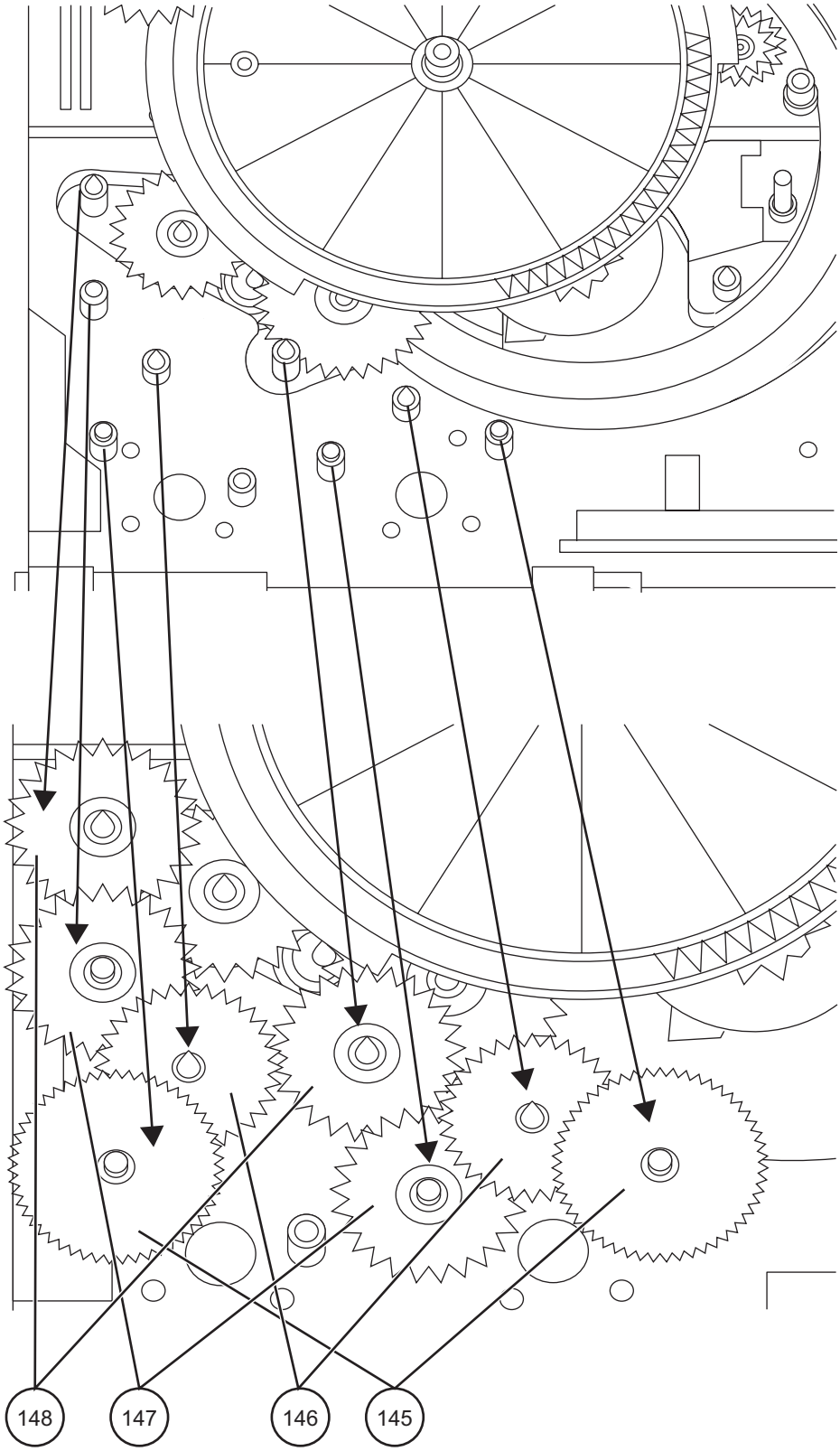
8


TRAY BIG GEAR
CHANGE COLOR
TO BLACK
GREASE APPLICATION LENGTH
GREASE APPLICATION PORTION
MUST FREE FROM GREASE THE SHOWN AREA
O . K
N . G
124
TRAY BIG GEAR
CHANGE COLOR
TO BLACK
131
SHOWN HOLE MUST FACING ARROW DIRECTION

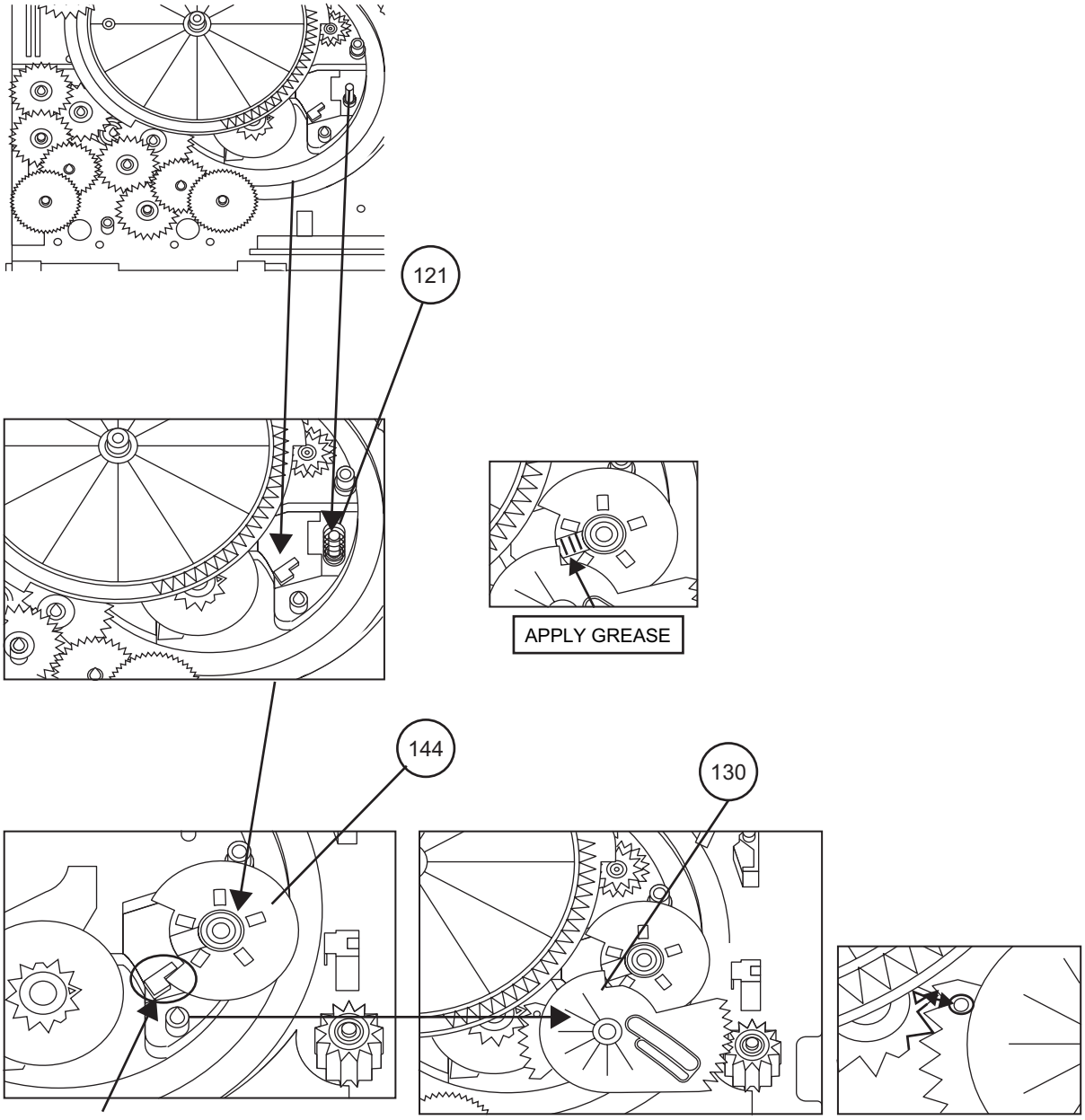
9


APPLY GREASE AT
BOTTOM SIDE ONLY
TR-RE JOINT GEAR C
138
126
125
APPLY GREASE ONLY AT TOP SIDE GEAR
MUST FIX ACCORDING TO THE HOLE'S

10

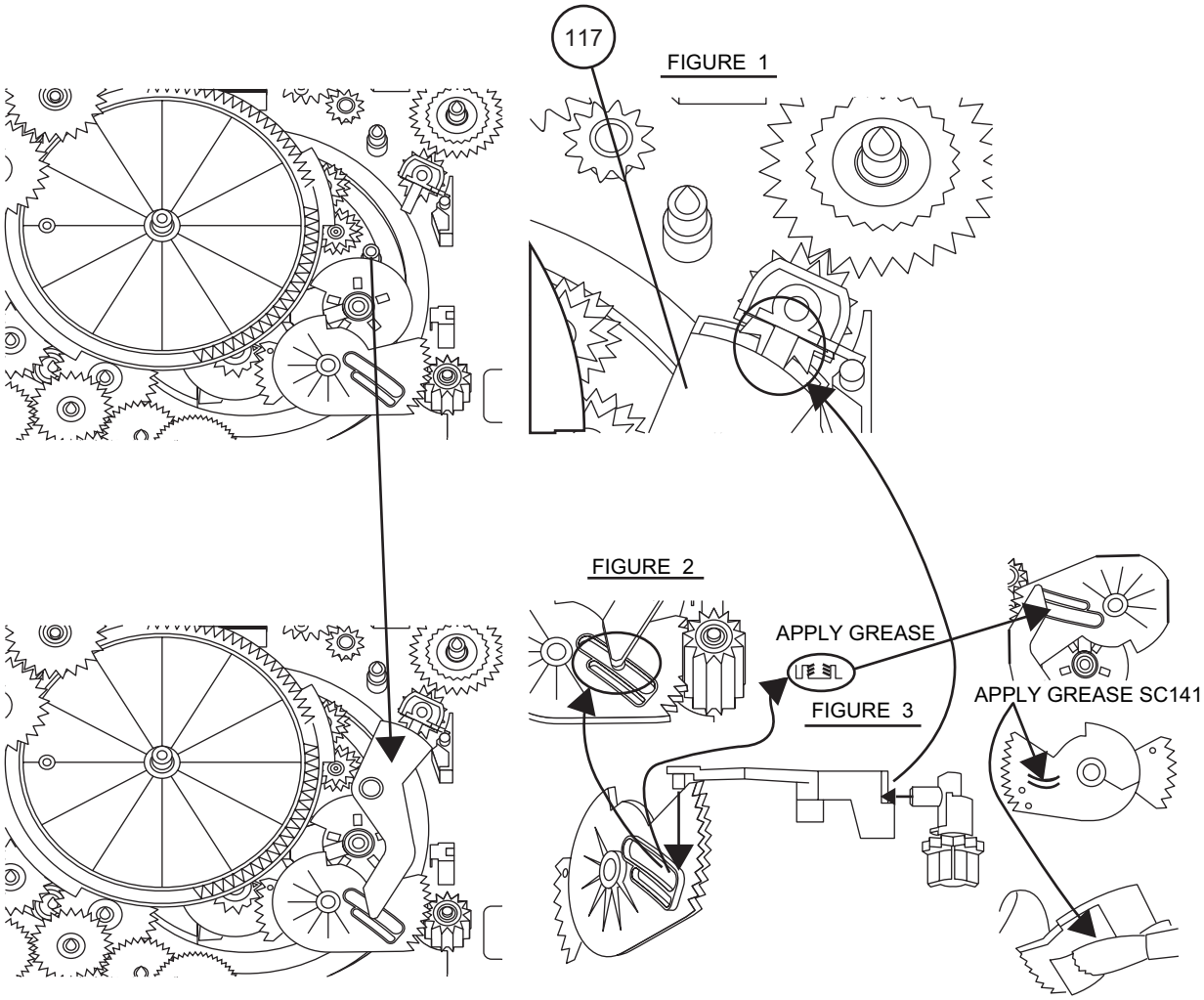


11

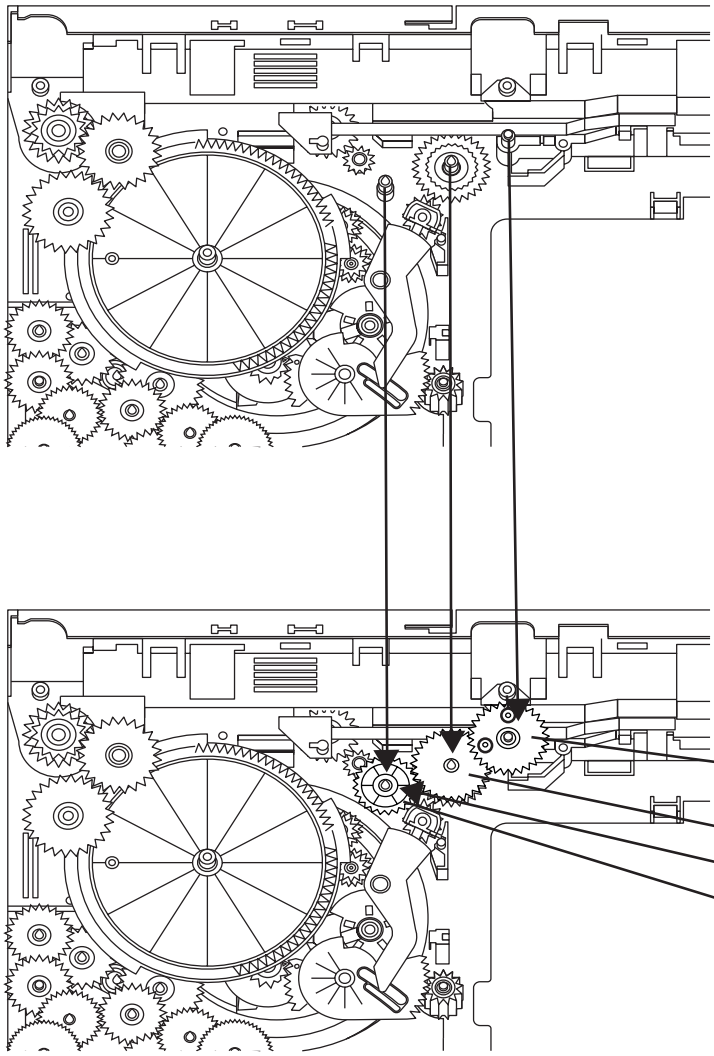


WHEN FIXING ITEM 2 MUST FOLLOW AS SHOWN

12

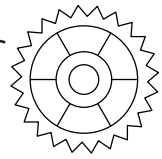

117
FIGURE 1
FIGURE 2
APPLY GREASE
FIGURE 3
APPLY GREASE SC141

13



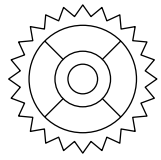
ITEM 2 , 3 MUST APPLY GREASE ON TOP SIDE GEAR ONLY

GEAR 112
O . K



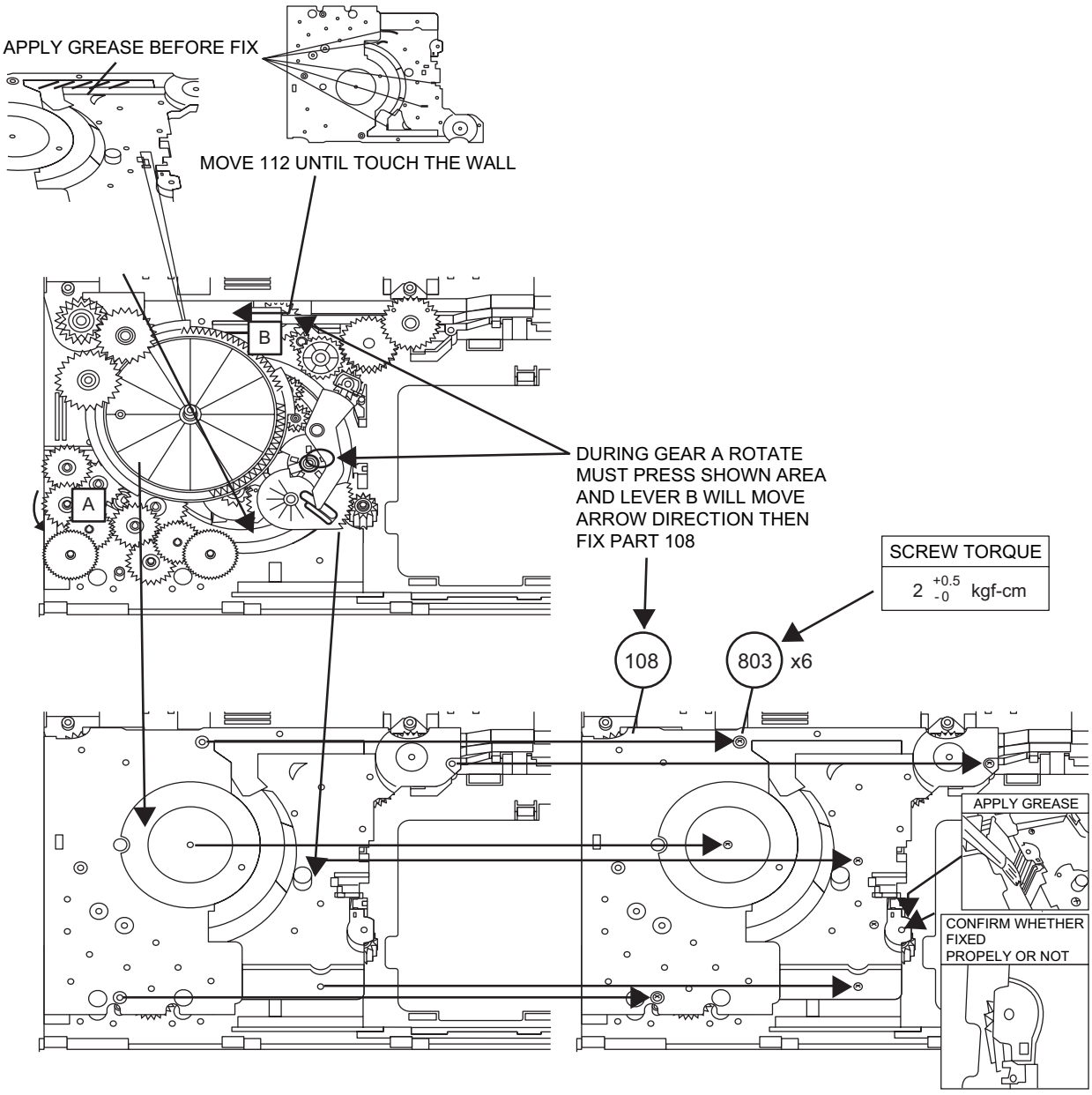
TOP VIEW AFTER ASSY

GEAR 112
N . G

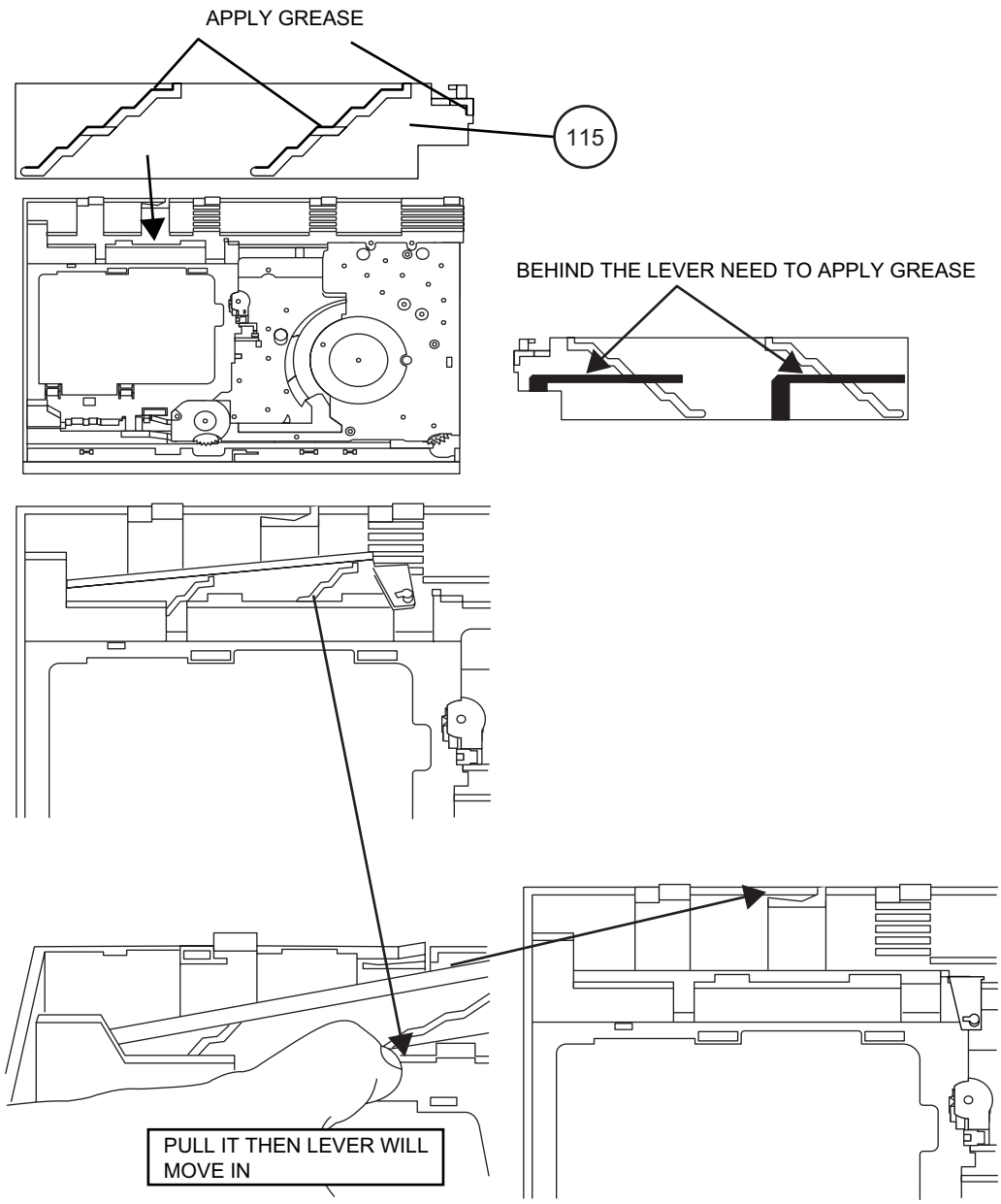


FIX REVERSE N.G

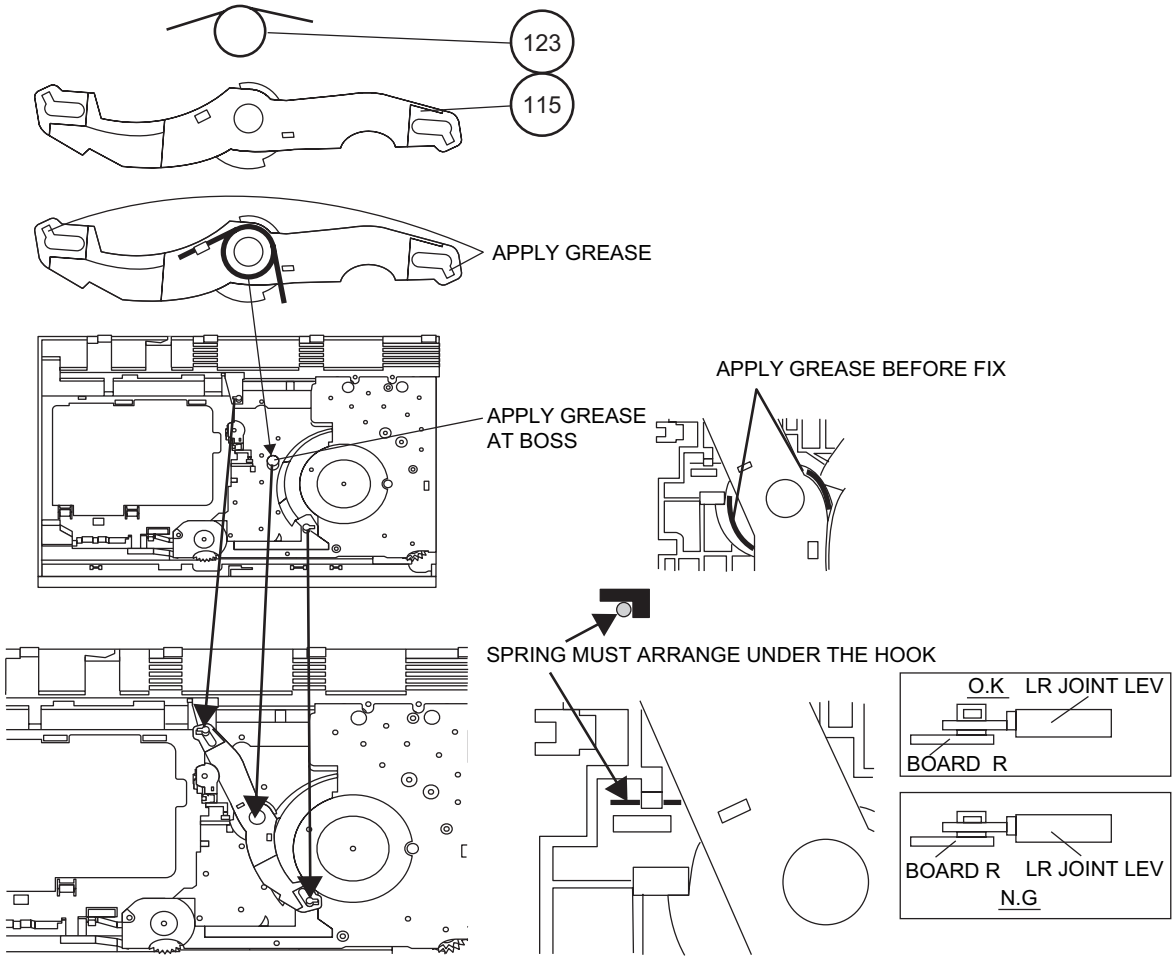
14


APPLY GREASE BEFORE FIX
MOVE 112 UNTIL TOUCH THE WALL
B
A
DURING GEAR A ROTATE
MUST PRESS SHOWN AREA
AND LEVER B WILL MOVE
ARROW DIRECTION THEN
FIX PART 108
SCREW TORQUE
2 +0.5 -0 kgf-cm
108
803 x6
APPLY GREASE
CONFIRM WHETHER
FIXED
PROPELY OR NOT

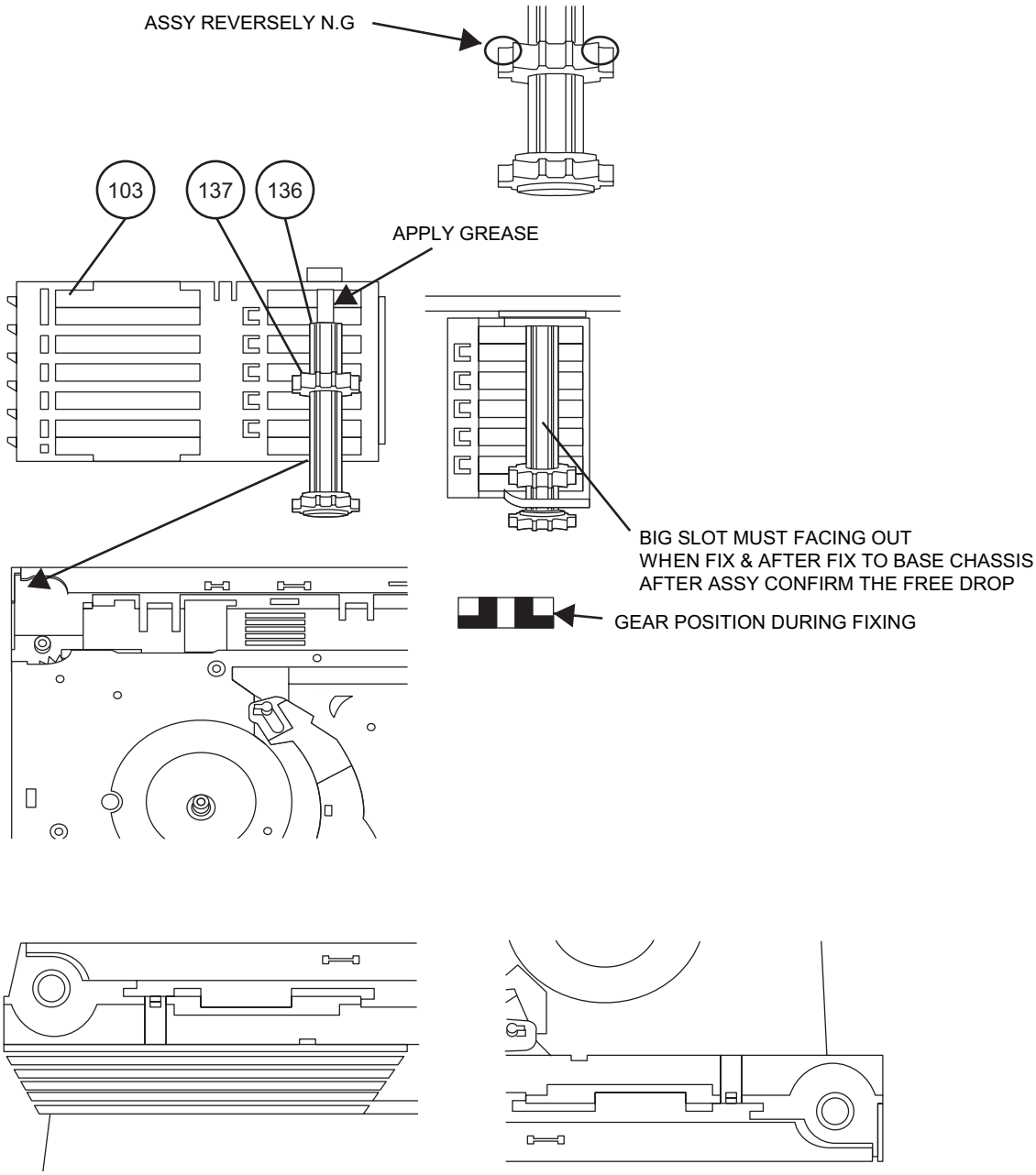
15


APPLY GREASE
115
BEHIND THE LEVER NEED TO APPLY GREASE
PULL IT THEN LEVER WILL MOVE IN

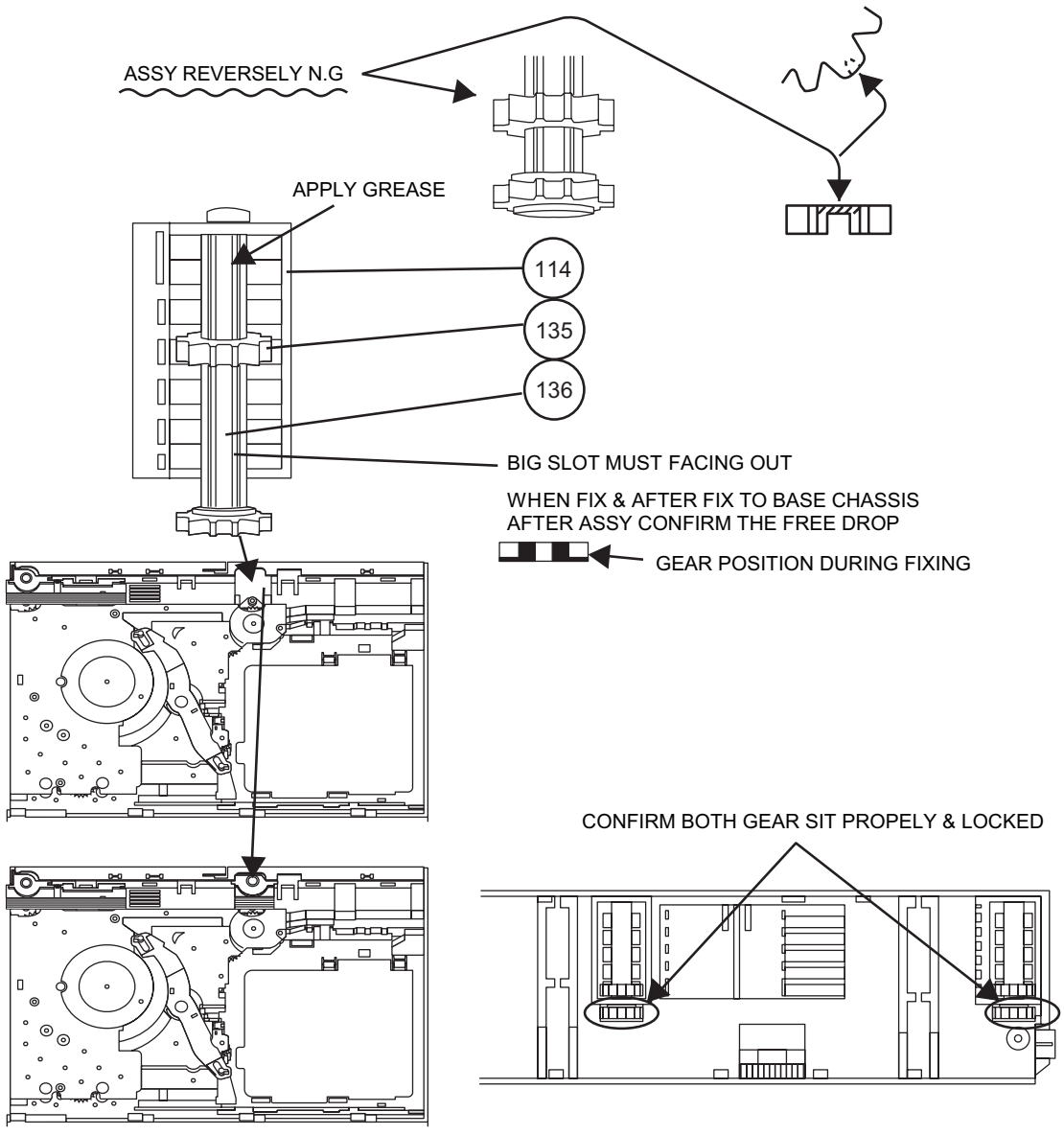
16


123
115
APPLY GREASE
APPLY GREASE BEFORE FIX
APPLY GREASE
AT BOSS
SPRING MUST ARRANGE UNDER THE HOOK
O.K
LR JOINT LEV
BOARD R
BOARD R
LR JOINT LEV
N.G

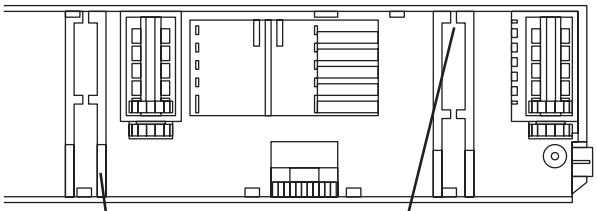
17

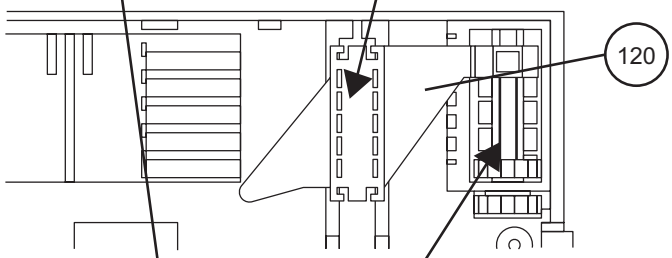

ASSY REVERSELY N.G
103
137
136
APPLY GREASE
BIG SLOT MUST FACING OUT
WHEN FIX & AFTER FIX TO BASE CHASSIS
AFTER ASSY CONFIRM THE FREE DROP
GEAR POSITION DURING FIXING

18

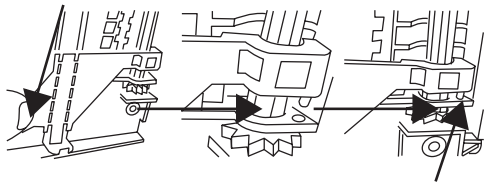

ASSY REVERSELY N.G
APPLY GREASE
114
135
136
BIG SLOT MUST FACING OUT
WHEN FIX & AFTER FIX TO BASE CHASSIS
AFTER ASSY CONFIRM THE FREE DROP
GEAR POSITION DURING FIXING
CONFIRM BOTH GEAR SIT PROPELY & LOCKED

19

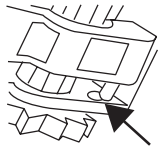




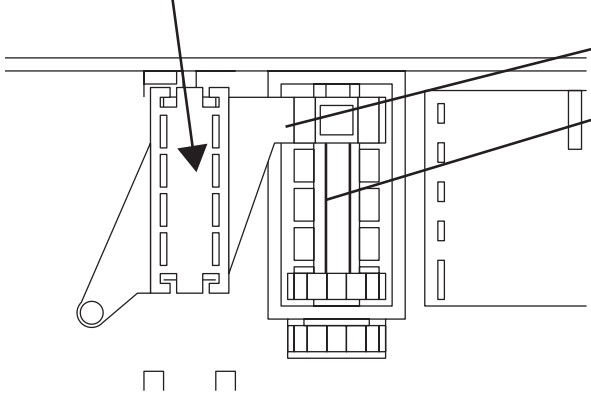
AFTER FIX OUTER UP/DOWN LEVER HOLD SHOWN PORTION AND
MOVE UP/DOWN THEN CONFIRM LEVER GO INSIDE THE HOLE OR NOT

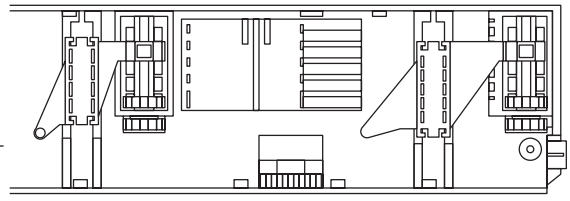


IF GO INSIDE HOLE
IS O.K



IF NO GO INSIDE HOLE IS N.G





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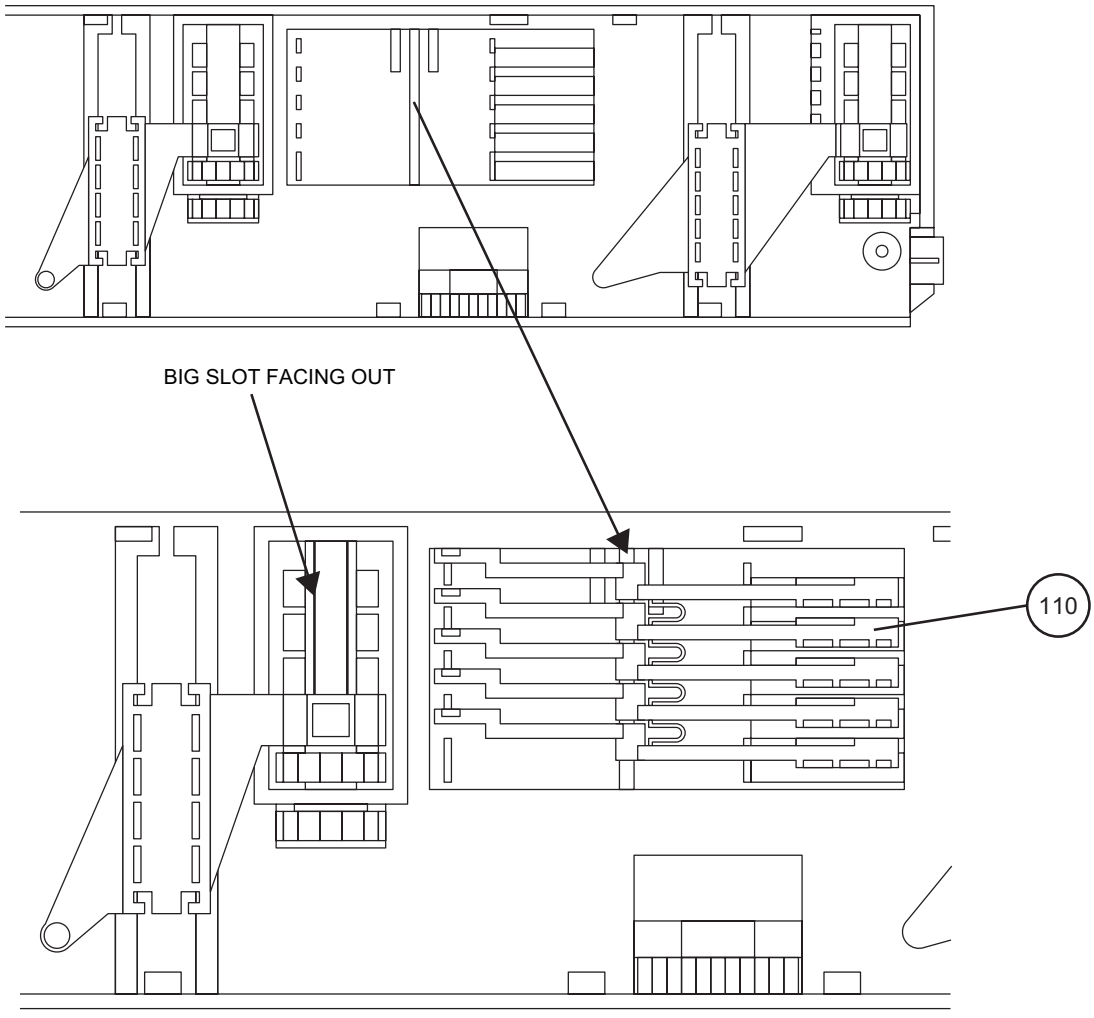

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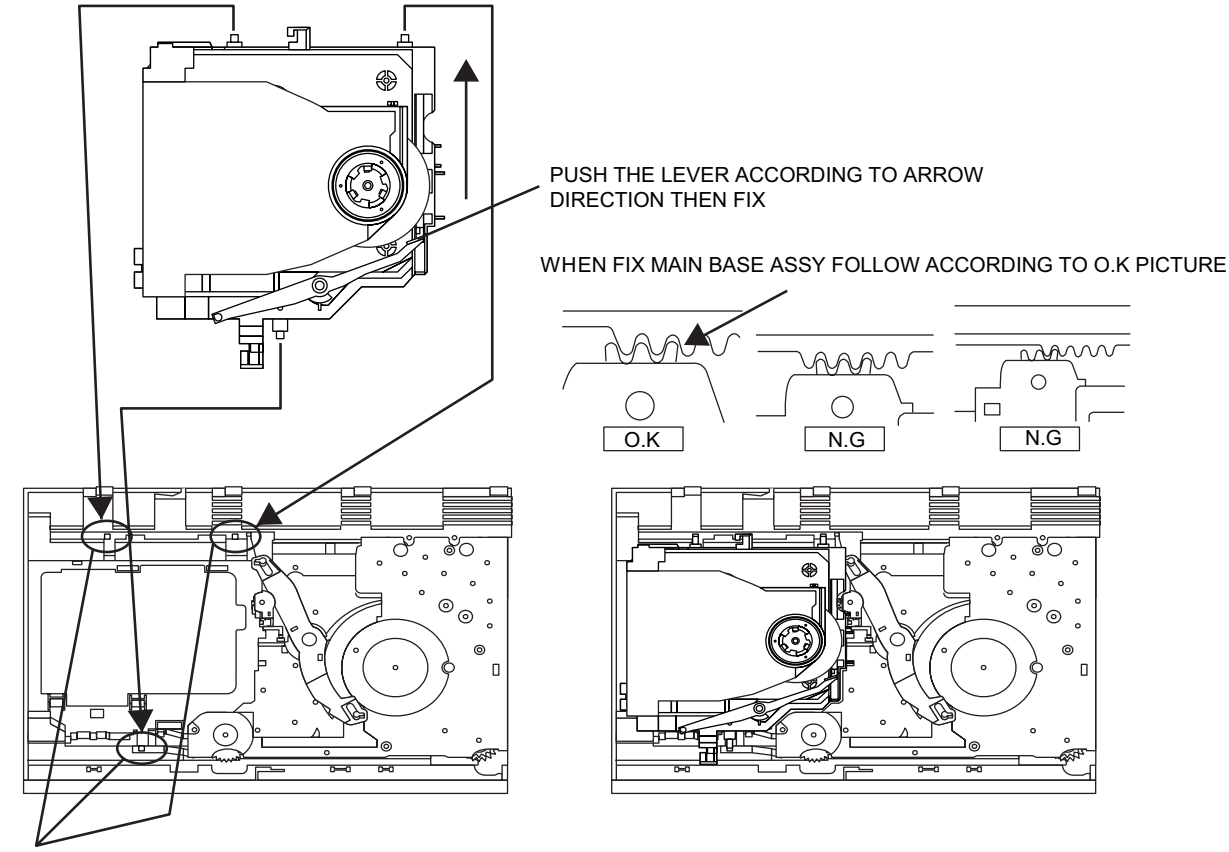
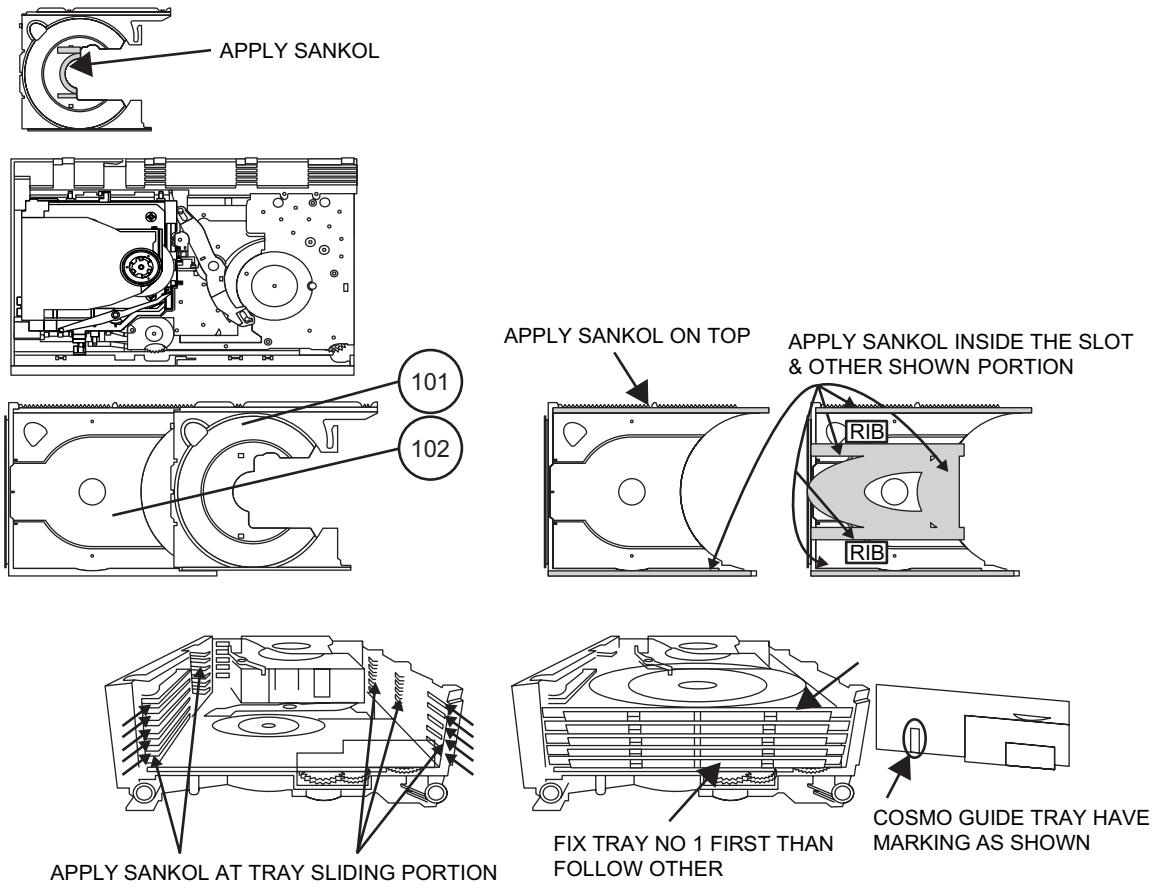
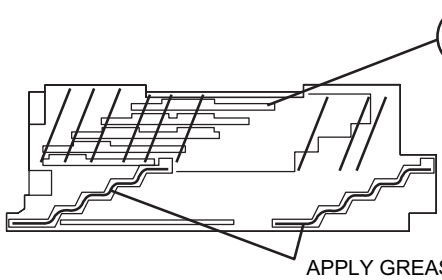
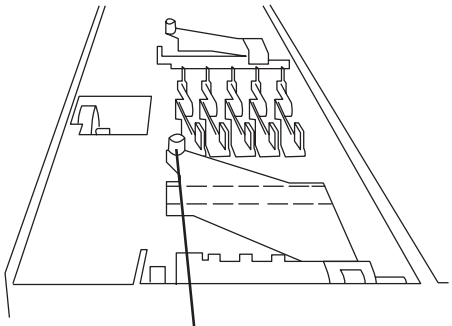

PUSH THE LEVER ACCORDING TO ARROW
DIRECTION THEN FIX
WHEN FIX MAIN BASE ASSY FOLLOW ACCORDING TO O.K PICTURE
O.K
N.G
N.G
MAKE SURE MECHA HOLDER SHAFT FIX PROPELY TO LEVER

22

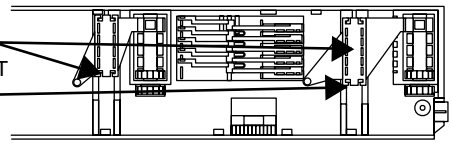

APPLY SANKOL
101
102
APPLY SANKOL ON TOP
APPLY SANKOL INSIDE THE SLOT
& OTHER SHOWN PORTION
RIB
RIB
APPLY SANKOL AT TRAY SLIDING PORTION
FIX TRAY NO 1 FIRST THAN
FOLLOW OTHER
COSMO GUIDE TRAY HAVE
MARKING AS SHOWN

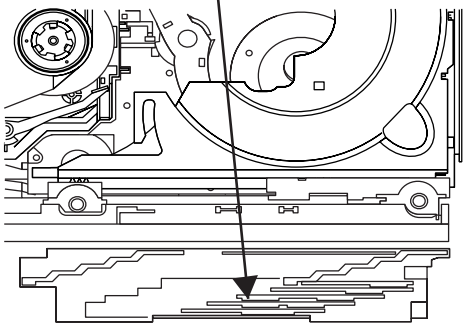
23

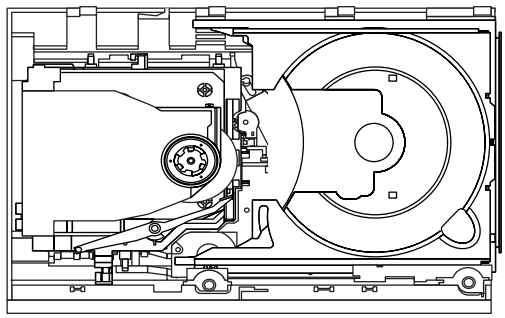




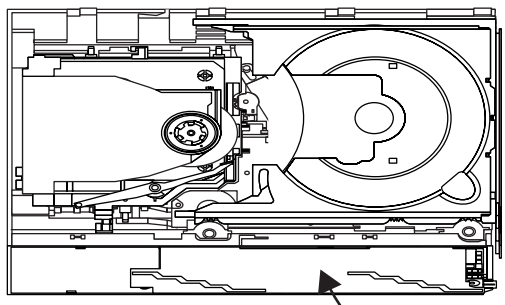
WHEN FIX GEAR UP/ DOWN BOARD THE TWO LEVER MUST AT PARALLEL LINE & POSITION AT TOP MAX SIDE



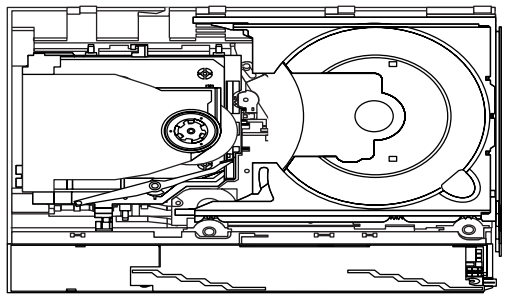




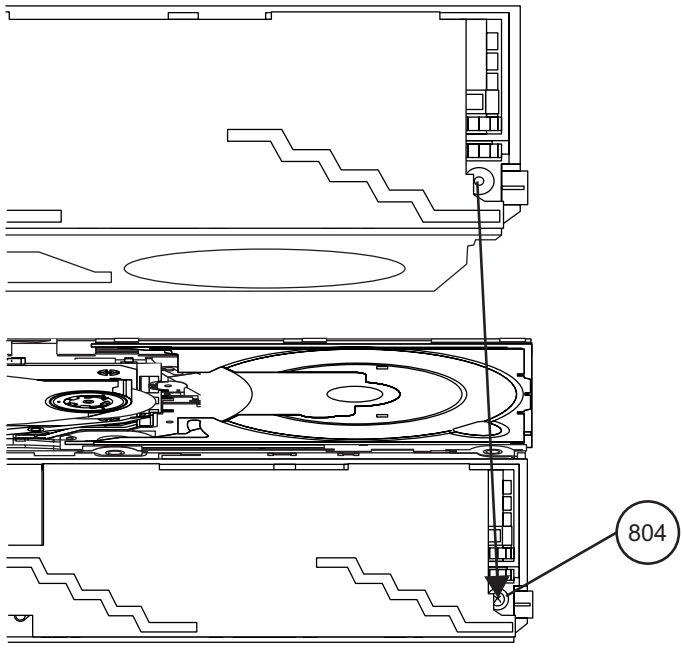
AFTER ASSY GEAR UP/DOWN BOARD



24



SCREW TORQUE
3 $^{+0.5}_{-0}$ kgf-cm



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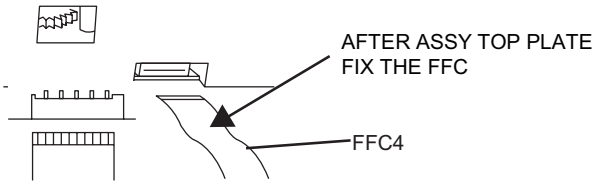
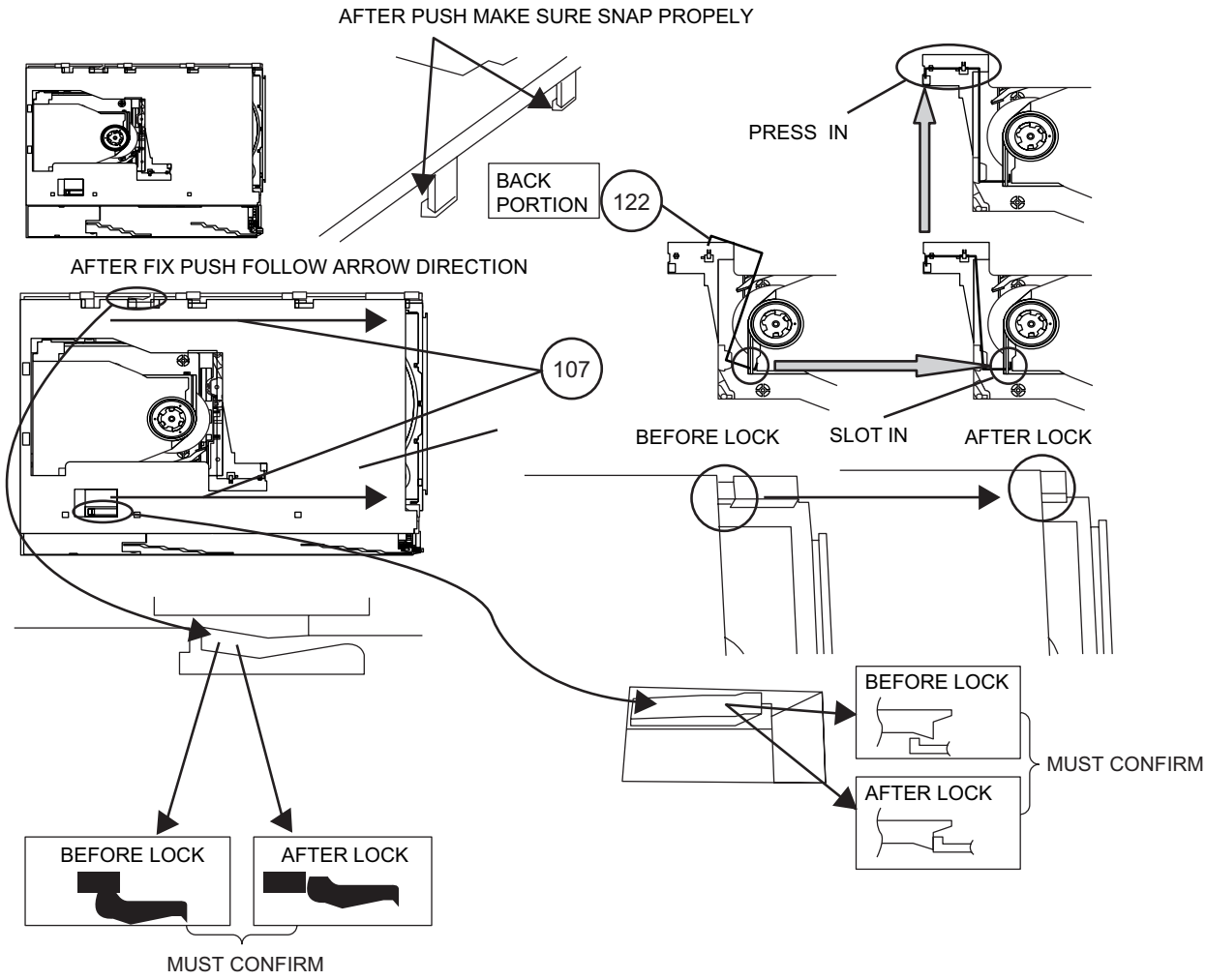
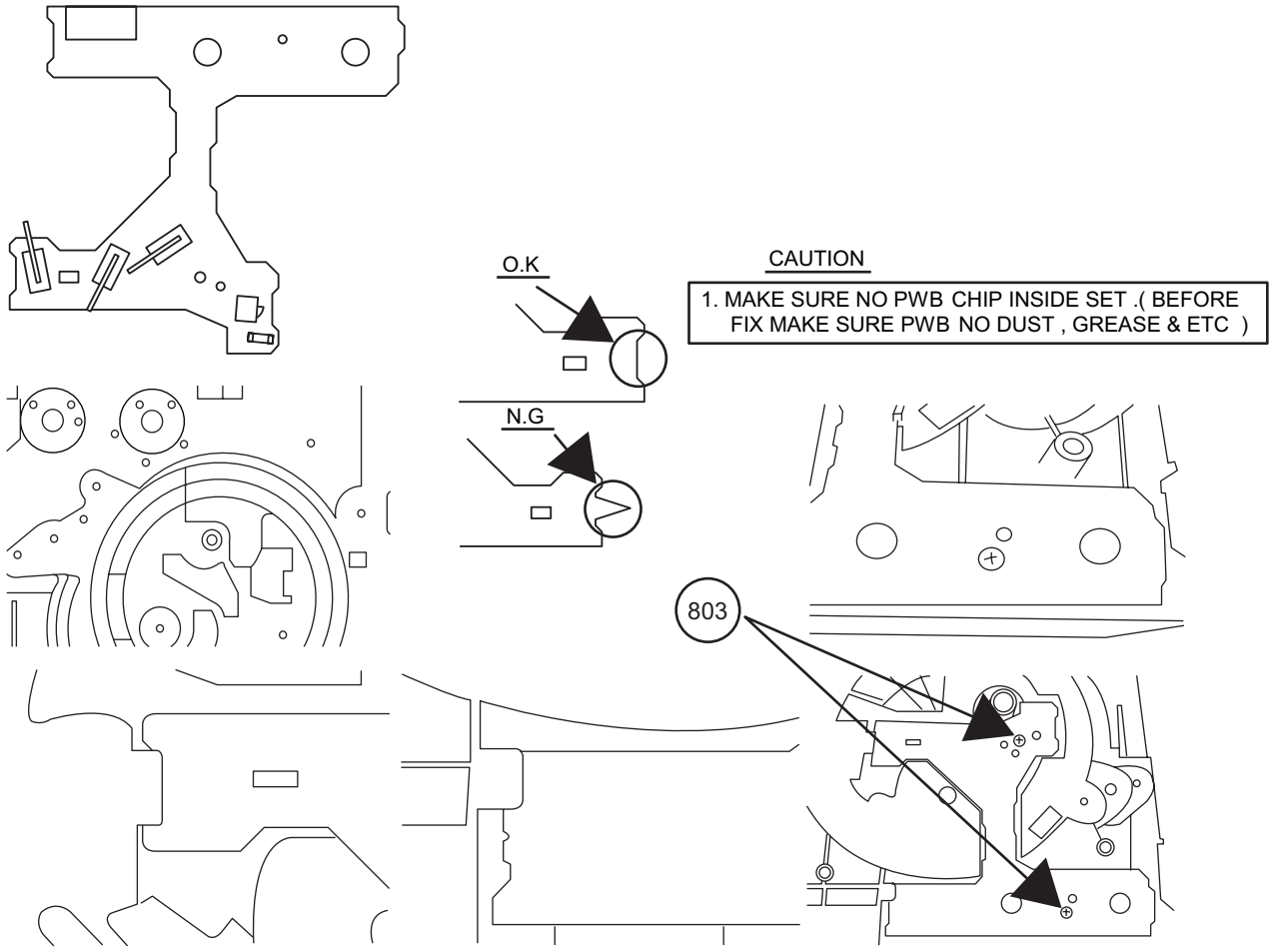
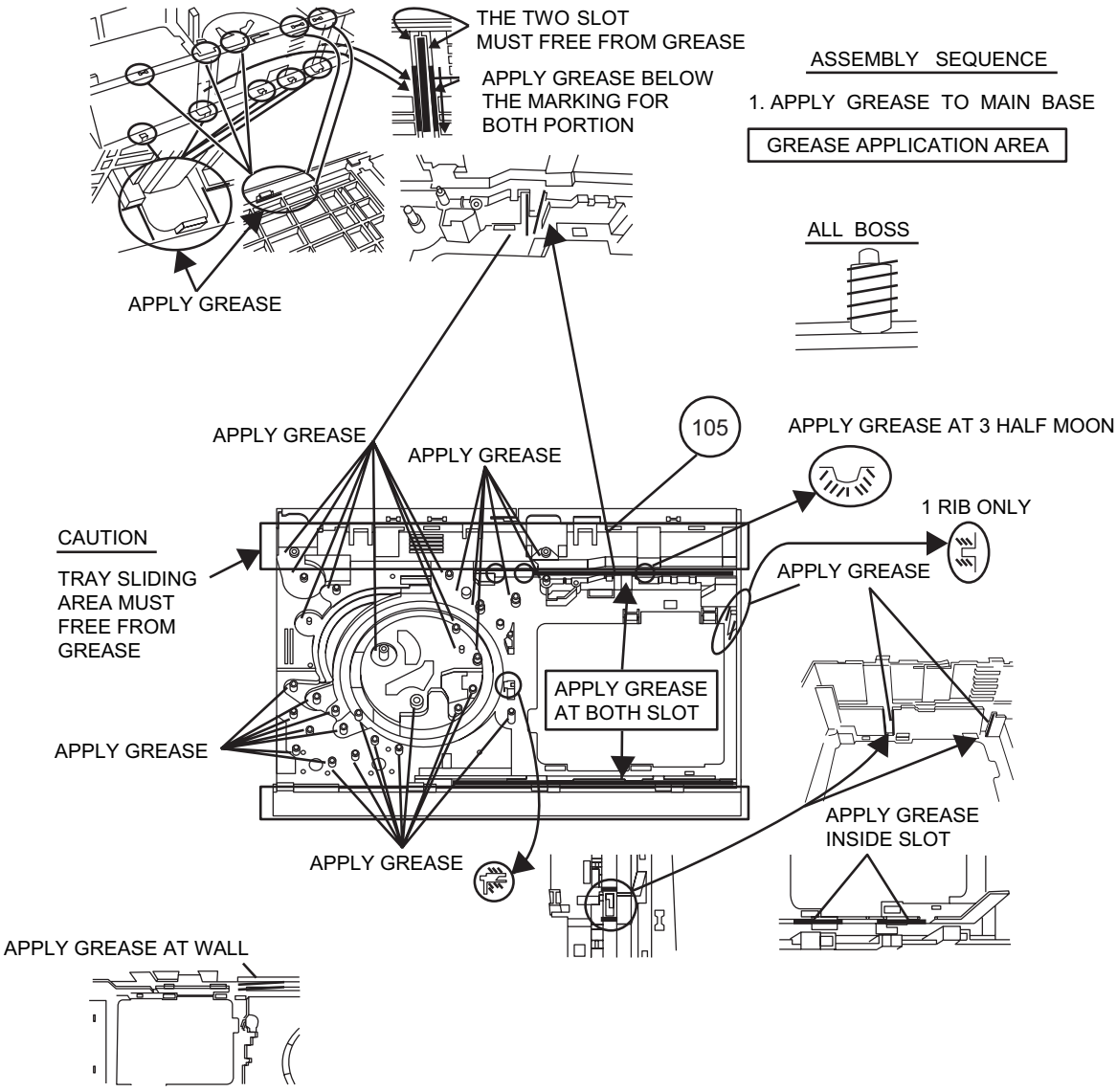

AFTER ASSY TOP PLATE
FIX THE FFC
FFC4


AFTER PUSH MAKE SURE SNAP PROPELY
PRESS IN
BACK
PORTION
122
AFTER FIX PUSH FOLLOW ARROW DIRECTION
107
BEFORE LOCK
SLOT IN
AFTER LOCK
BEFORE LOCK
AFTER LOCK
MUST CONFIRM
BEFORE LOCK
AFTER LOCK
MUST CONFIRM

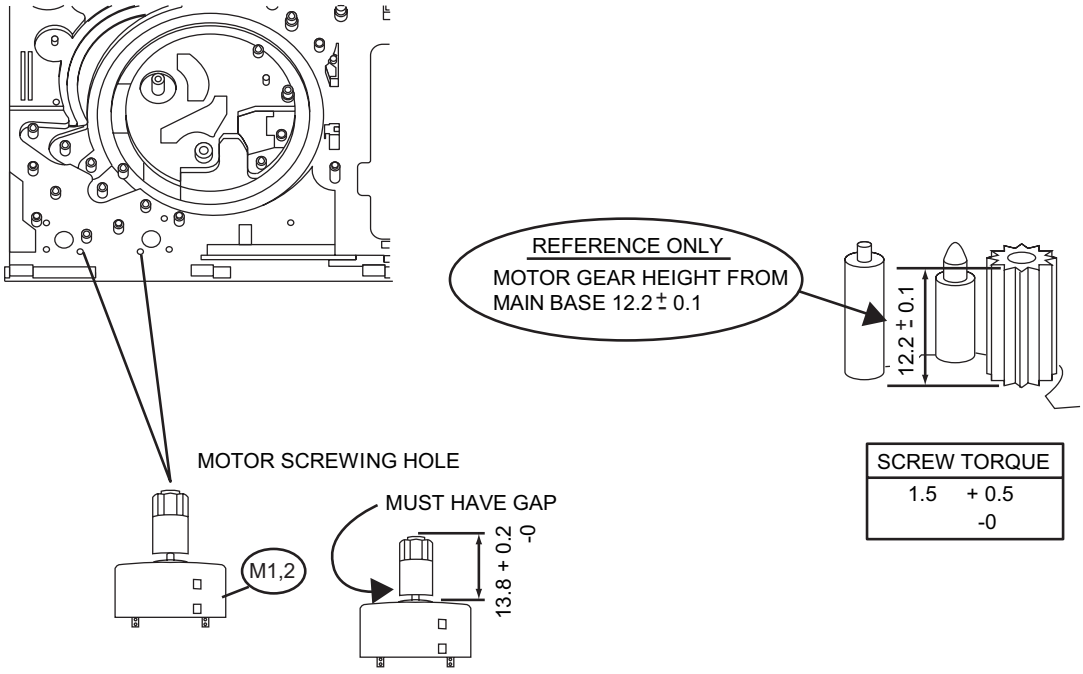
26

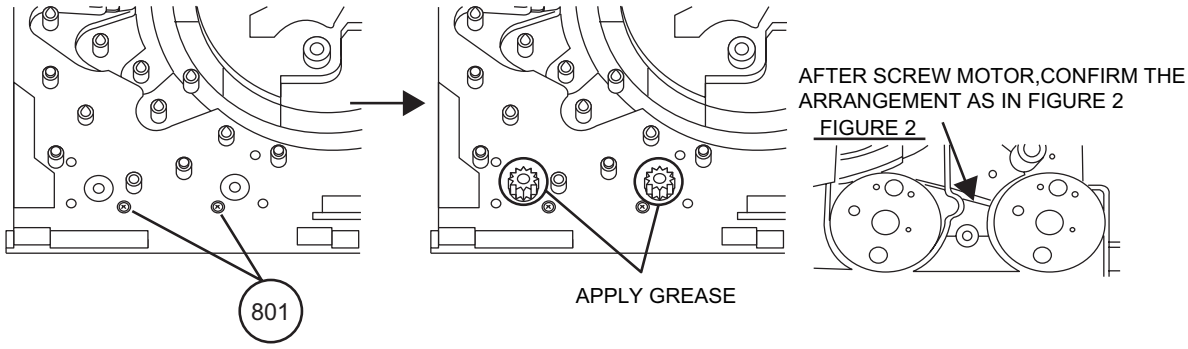

O.K
N.G
CAUTION
1. MAKE SURE NO PWB CHIP INSIDE SET .(BEFORE FIX MAKE SURE PWB NO DUST , GREASE & ETC)
803

27

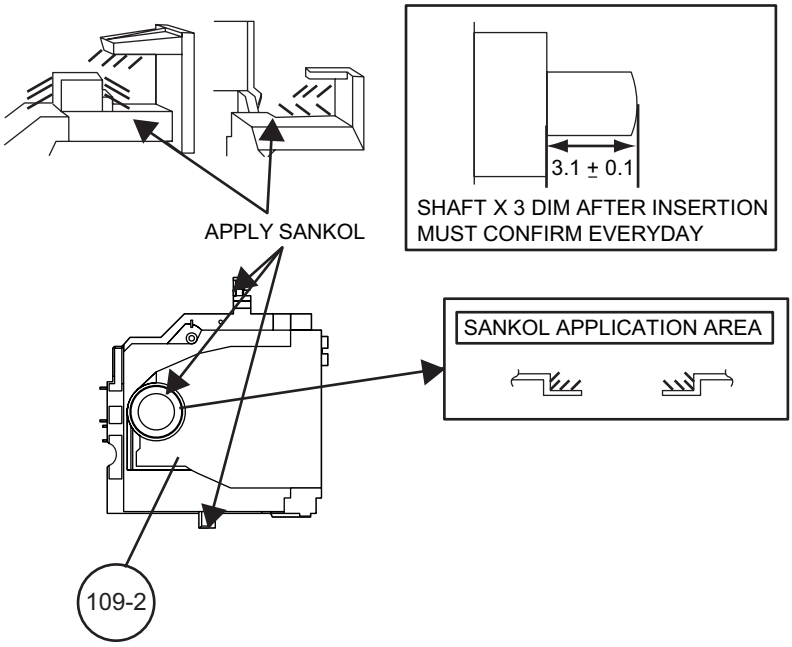

THE TWO SLOT
MUST FREE FROM GREASE
APPLY GREASE BELOW
THE MARKING FOR
BOTH PORTION
ASSEMBLY SEQUENCE
1. APPLY GREASE TO MAIN BASE
GREASE APPLICATION AREA
ALL BOSS
APPLY GREASE
APPLY GREASE
APPLY GREASE
105
APPLY GREASE AT 3 HALF MOON
1 RIB ONLY
CAUTION
TRAY SLIDING
AREA MUST
FREE FROM
GREASE
APPLY GREASE
APPLY GREASE
AT BOTH SLOT
APPLY GREASE
APPLY GREASE
APPLY GREASE
INSIDE SLOT
APPLY GREASE AT WALL

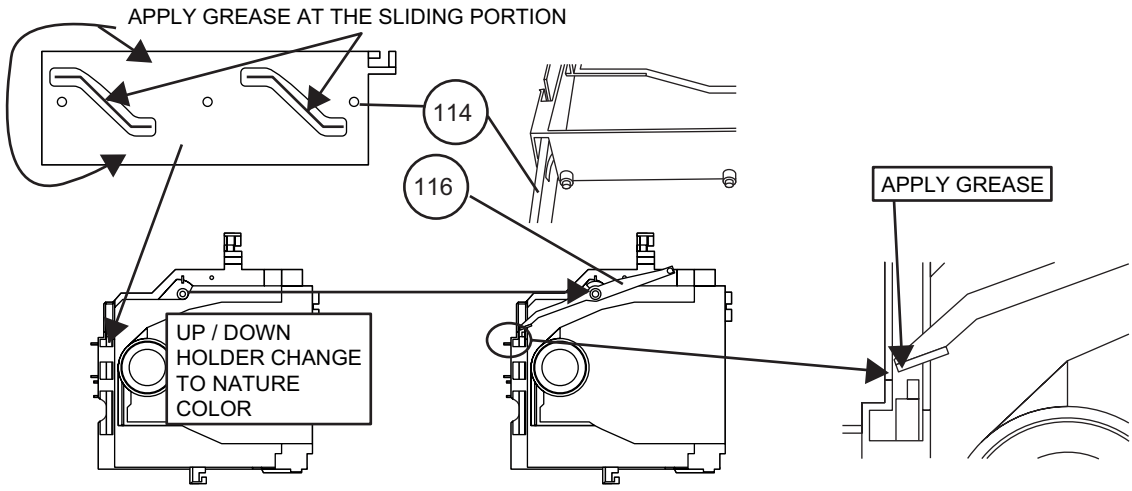
28


REFERENCE ONLY
MOTOR GEAR HEIGHT FROM
MAIN BASE 12.2 ± 0.1
12.2 ± 0.1
MOTOR SCREWING HOLE
M1,2
MUST HAVE GAP
13.8 + 0.2 -0
SCREW TORQUE
1.5 + 0.5 -0

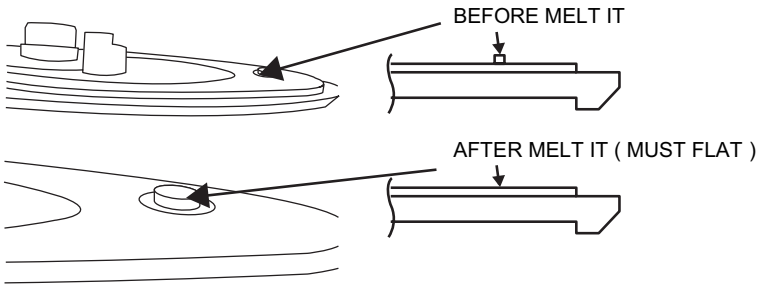

801
APPLY GREASE
AFTER SCREW MOTOR,CONFIRM THE ARRANGEMENT AS IN FIGURE 2
FIGURE 2

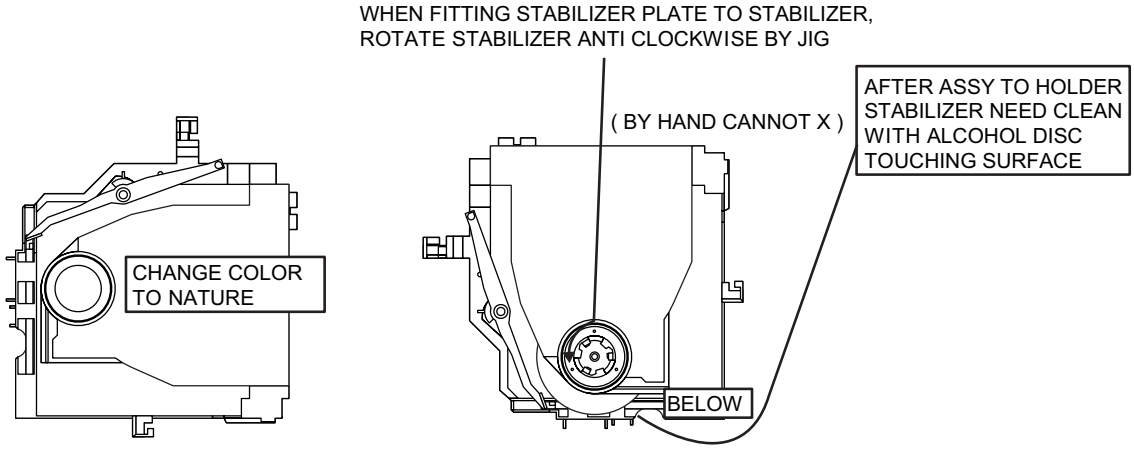
29


3.1 ± 0.1
SHAFT X 3 DIM AFTER INSERTION
MUST CONFIRM EVERYDAY
APPLY SANKOL
SANKOL APPLICATION AREA
109-2

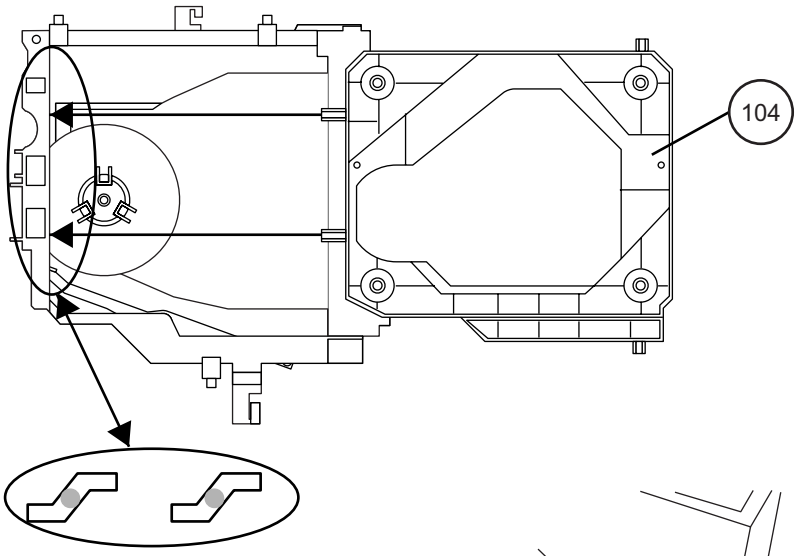

APPLY GREASE AT THE SLIDING PORTION
114
116
APPLY GREASE
UP / DOWN
HOLDER CHANGE
TO NATURE
COLOR

30


BEFORE MELT IT
AFTER MELT IT (MUST FLAT)


WHEN FITTING STABILIZER PLATE TO STABILIZER,
ROTATE STABILIZER ANTI CLOCKWISE BY JIG
(BY HAND CANNOT X)
AFTER ASSY TO HOLDER
STABILIZER NEED CLEAN
WITH ALCOHOL DISC
TOUCHING SURFACE
CHANGE COLOR
TO NATURE
BELOW

31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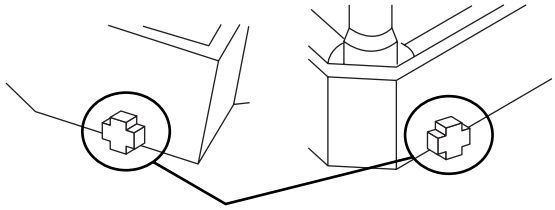
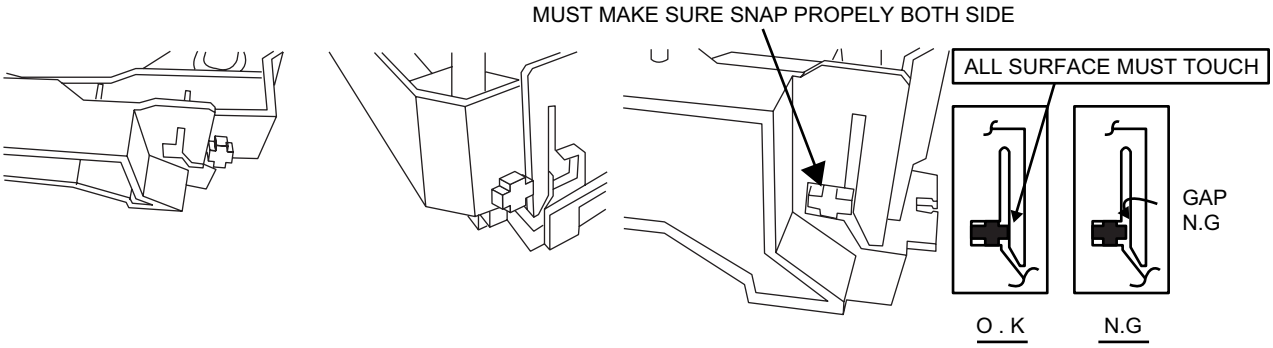
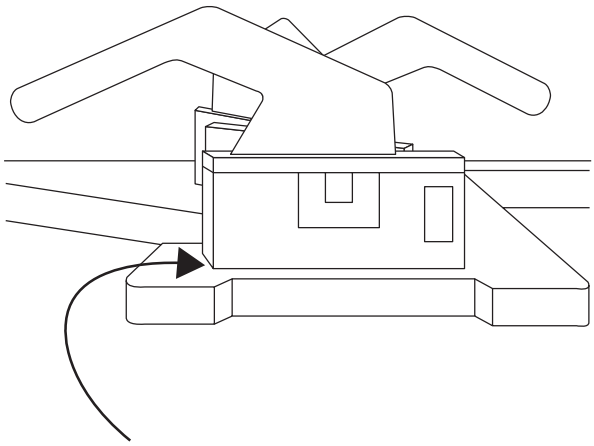

APPLY GREASE

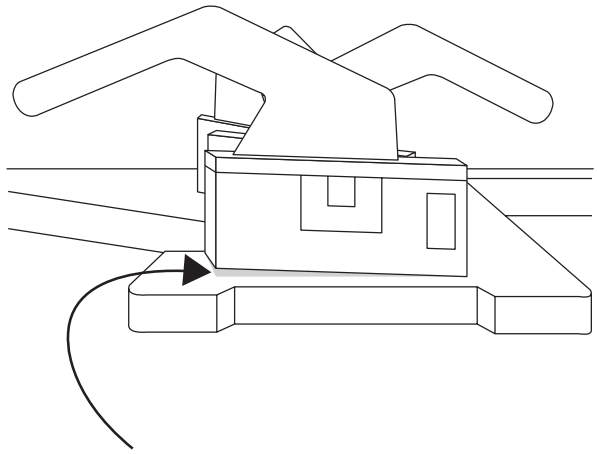

MUST MAKE SURE SNAP PROPELY BOTH SIDE
ALL SURFACE MUST TOUCH
GAP
N.G
O . K
N.G

32



NO GAP

O.K



HAVE GAP

N.G

CHAPTER 3. MECHANISM BLOCKS

[1] Caution on diassembly

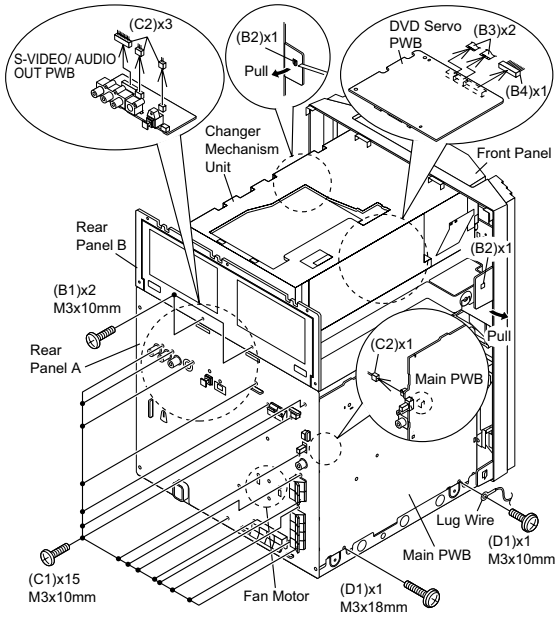
Caution on Disassembly

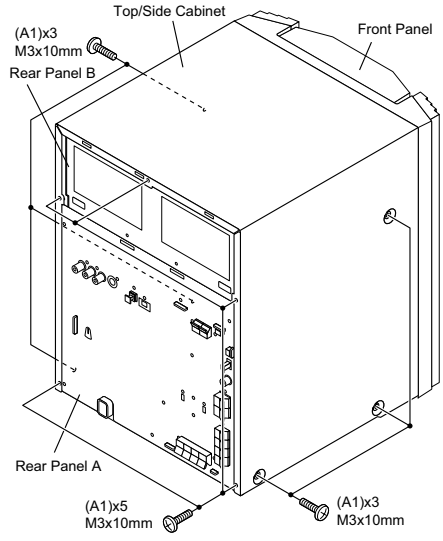
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

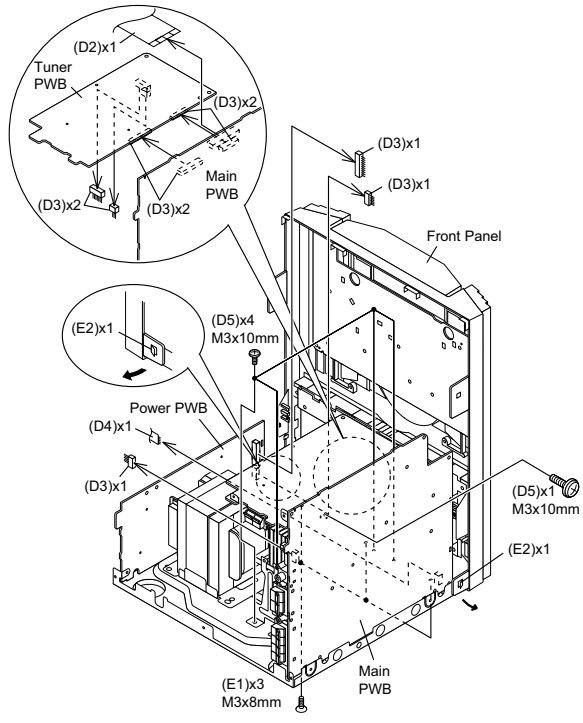
1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

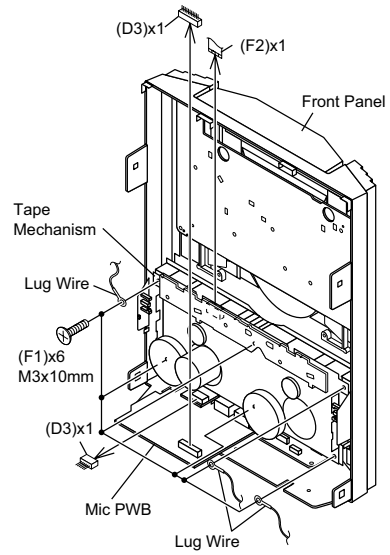
CD-SW250DVD

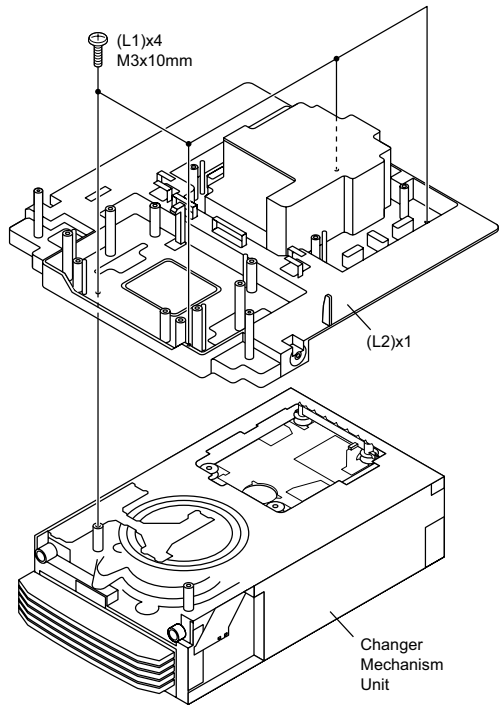
STEP	REMOVAL	PROCEDURE
1	Top/Side Cabinet	1. Screw ..... (A1) x11
2	Changer Unit/ Rear Panel B	1. Screw ..... (B1) x2 2. Hook ..... (B2) x2 3. Flat Cable ..... (B3) x2 4. Socket ..... (B4) x1
3	Rear Panel A/ S-Video/Audio Out PWB with Fan motor	1. Screw ..... (C1) x15 2. Socket ..... (C2) x4
4	Main PWB	1. Screw ..... (D1) x2 2. Flat Cable ..... (D2) x1 3. Socket ..... (D3) x11 4. Flat Wire ..... (D4) x1 5. Screw ..... (D5) x5
5	Front Panel	1. Screw ..... (E1) x3 2. Hook ..... (E2) x2
6	Tape Mechanism	1. Screw ..... (F1) x6 2. Flat Cable ..... (F2) x1
7	Mic PWB	1. Knob .....(G1) x1 2. Screw ..... (G2) x1
8	Display PWB	1. Knob ..... (H1) x1 2. Screw .....(H2) x10 3. Hook ..... (H3) x5
9	Game Input PWB	1. Screw ..... (J1) x2
10	DVD Servo PWB	1. Screw .....(K1) x2 2. Flat Cable .....(K2) x2 3. Socket .....(K3) x4
11	Changer Mechanism Unit	1. Screw ..... (L1) x4 2. Changer Chassis .... (L2) x1
12	DVD Mechanism	1. Screw .....(M1) x4 2. Bracket .....(M2) x1
13	Control PWB	1. Screw ..... (J1) x2

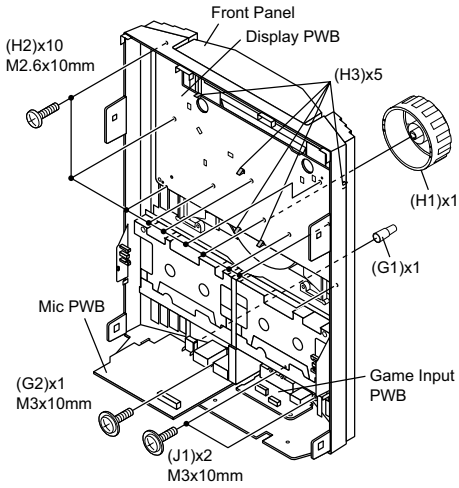


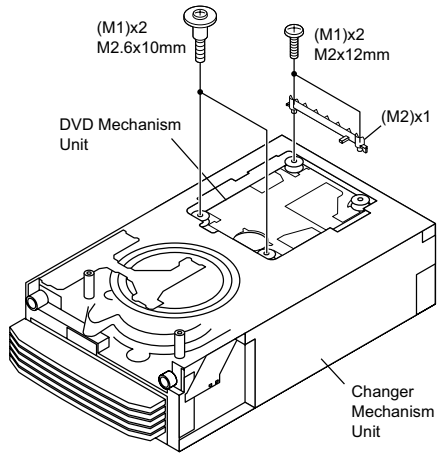


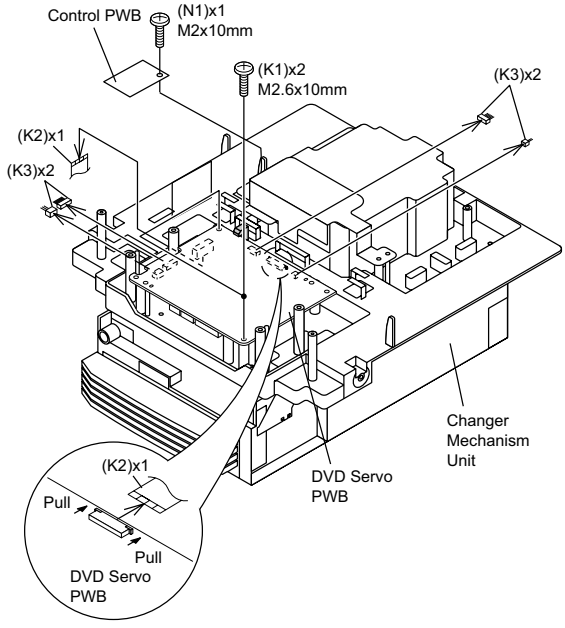



(D3)x1
(F2)x1
Front Panel
Tape
Mechanism
Lug Wire
(F1)x6
M3x10mm
(D3)x1
Mic PWB
Lug Wire


(L1)x4
M3x10mm
(L2)x1
Changer
Mechanism
Unit


Front Panel
Display PWB
(H2)x10
M2.6x10mm
(H3)x5
(H1)x1
(G1)x1
Mic PWB
(G2)x1
M3x10mm
Game Input
PWB
(J1)x2
M3x10mm


(M1)x2
M2.6x10mm
(M1)x2
M2x12mm
(M2)x1
DVD Mechanism
Unit
Changer
Mechanism
Unit

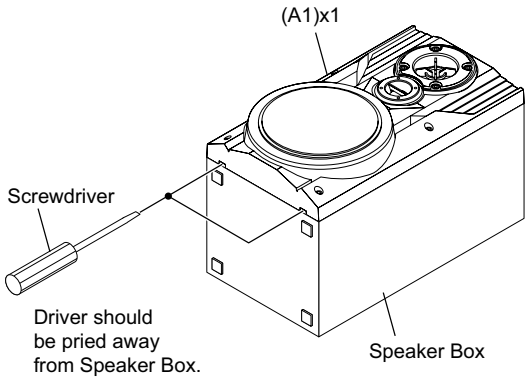

Control PWB
(N1)x1
M2x10mm
(K1)x2
M2.6x10mm
(K3)x2
(K2)x1
(K3)x2
Changer
Mechanism
Unit
DVD Servo
PWB
(K2)x1
Pull
Pull
DVD Servo
PWB

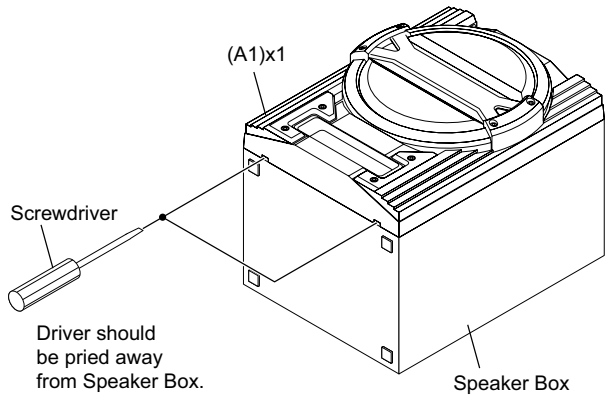
CP-S250

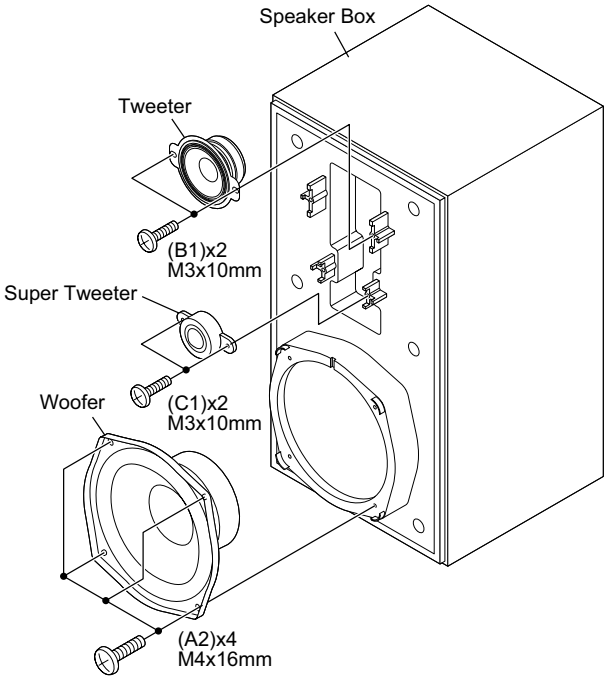
STEP	REMOVAL	PROCEDURE
1	Woofer	1. Front Panel ..... (A1) x1 2. Screw ..... (A2) x4
2	Tweeter	1. Screw ..... (B1) x2
3	Super Tweeter	1. Screw ..... (C1) x2

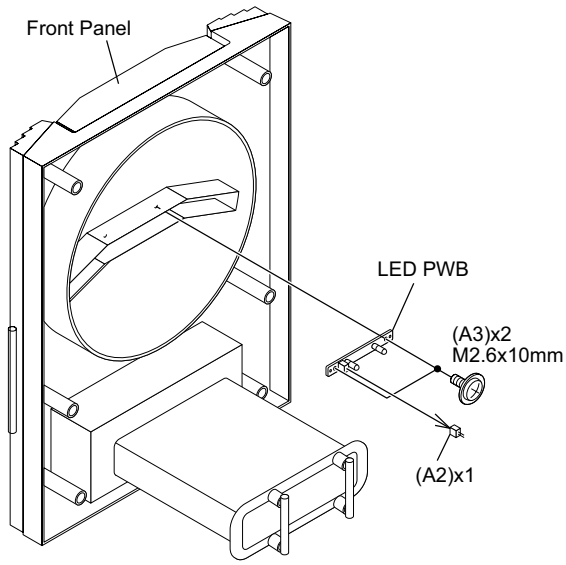
CP-SW250

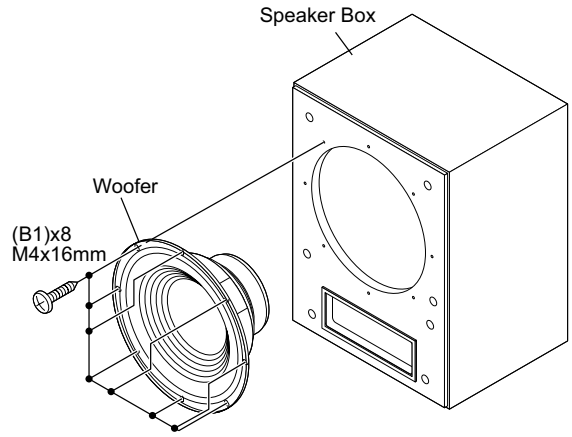
STEP	REMOVAL	PROCEDURE
1	LED PWB	1. Front Panel ..... (A1) x1 2. Socket ..... (A2) x1 3. Screw ..... (A3) x2
2	Woofer	1. Screw ..... (B1) x8











[2] Removing and reinstalling the main parts

1. TAPE MECHANISM SECTION

Perform steps 1 to 5 and 6 of the disassembly method to remove the tape mechanism.

1.1. How to remove the record/playback and erase heads (TAPE 2) (See Fig. 1)

1. When you remove the screws (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

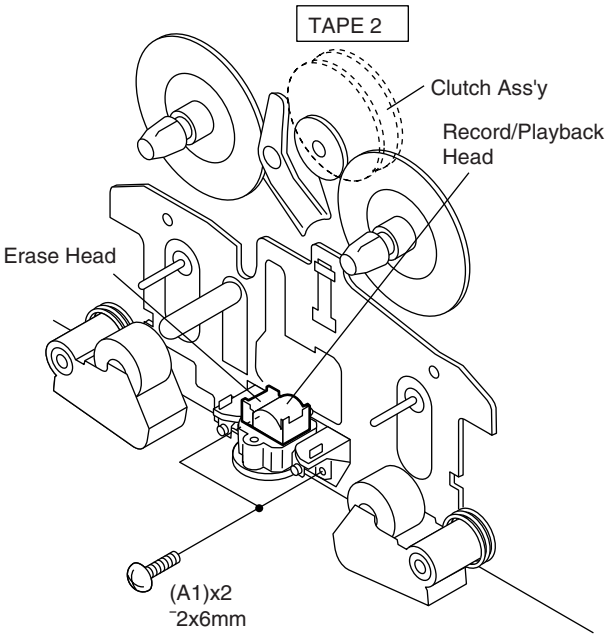


Figure 1

1.2. How to remove the playback head (TAPE 1) (See Fig. 2)

1. When you remove the screws (B1) x 2 pcs., the playback head can be removed.

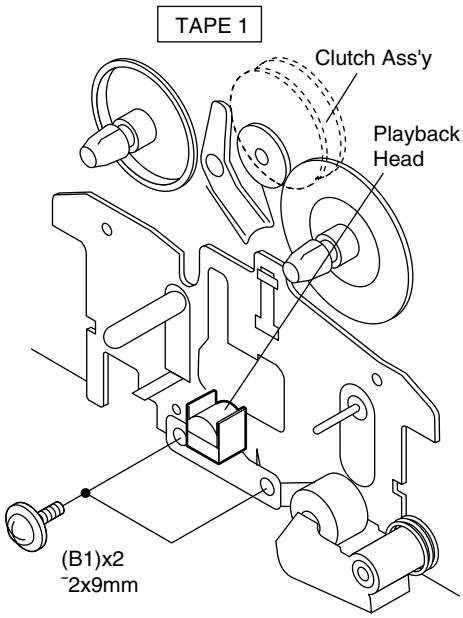


Figure 2

1.3. How to remove the pinch roller (TAPE 1/2) (See Fig. 3)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow <B>.

Note:
When installing the pinch roller, pay attention to the spring mounting position.

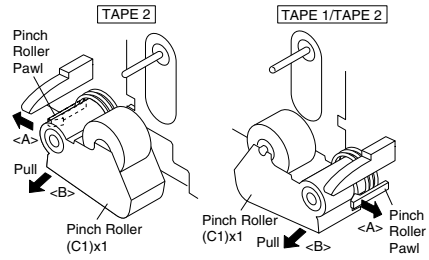


Figure 3

1.4. How to remove the belt (TAPE 2) (See Fig. 4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

1.5. How to remove the belt (TAPE 1) (See Fig. 4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

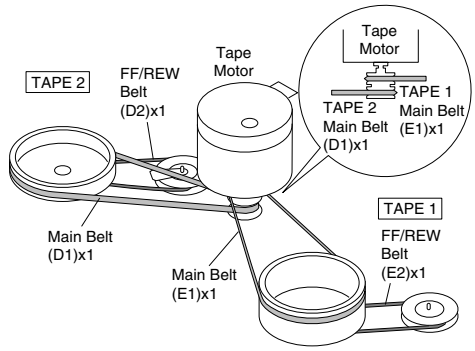


Figure 4

1.6. How to remove the motor (See Fig. 5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

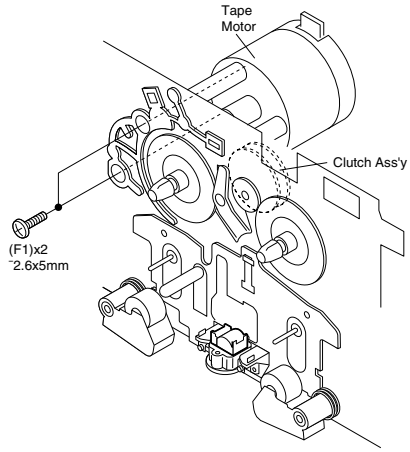


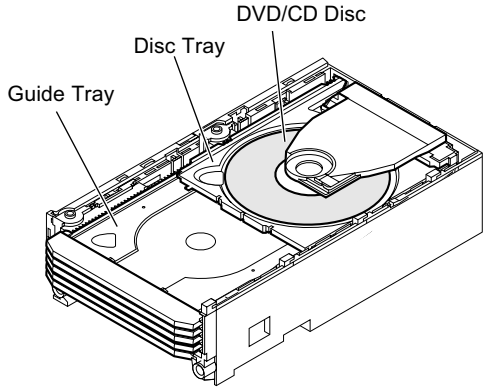
Figure 5

2. CHANGER MECHANISM SECTION

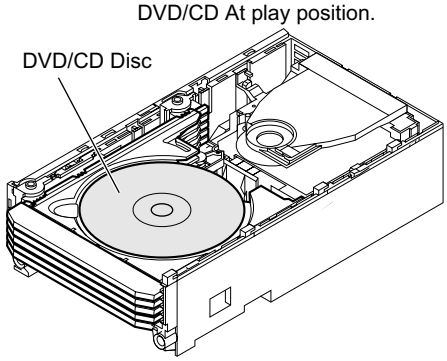
Perform steps 1, 2, 9 and 10 of the disassembly method to remove the CD changer mechanism.

2.1. How to remove DVD/CD Disc (See Fig. 1~4)

1. When DVD/CD is at play position (Figure 1), rotate reduction gear C clock-wise as shown in Figure 3 Until disc tray is at stock position, then rotate further to eject the disc tray so that DVD/CD can be removed from the tray.



DVD/CD At play position.



DVD/CD At stalk position.

Figure 1

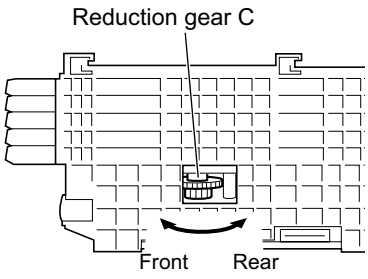


Figure 2

2. In another case, if DVD/CD mechanism is at tray No.1 play position and to remove DVD/CD located in tray No.3, the procedure is as follows:

   If the gear up down board is located at tray No.1 position, then rotate gear clock-wise until it at stock position. Rotate reduction gear D clockwise (Figure 3) to move the DVD/CD mechanism to tray No.3 position.This is confirmed by checking the gear up down board position by the marking as indicated on the main chassis as shown in Figure 3.

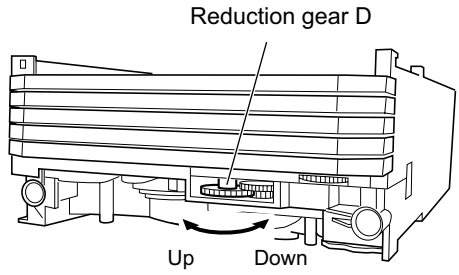


Figure 3

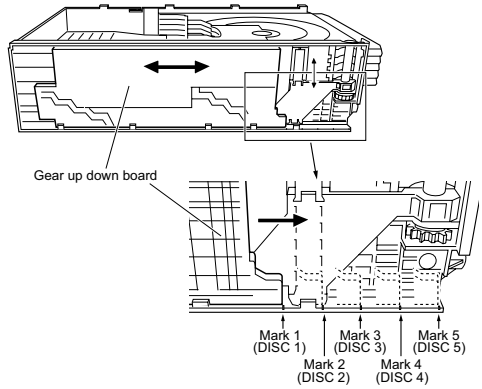


Figure 4

2.2. How to Remove the tray motor/main cam motor/5-Changer Motor PWB (See Fig. 5)

1. Remove the screws (A1)x 2 pcs., to remove tray motor/main cam motor/5-Changer Motor PWB.

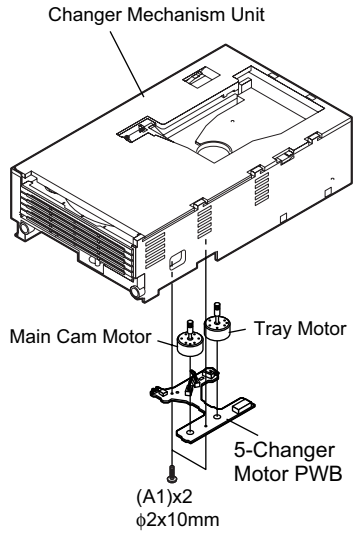


Figure 5

NOTE: There are 2 more screws tighten the motors at the bottom of main chassis. Before performing procedure 1 above, disc stop spring, top plate sear up down board and trays must be removed, then only the 2 screws can be untighten.

CHAPTER 4. DIAGRAMS

[1] Block diagrams

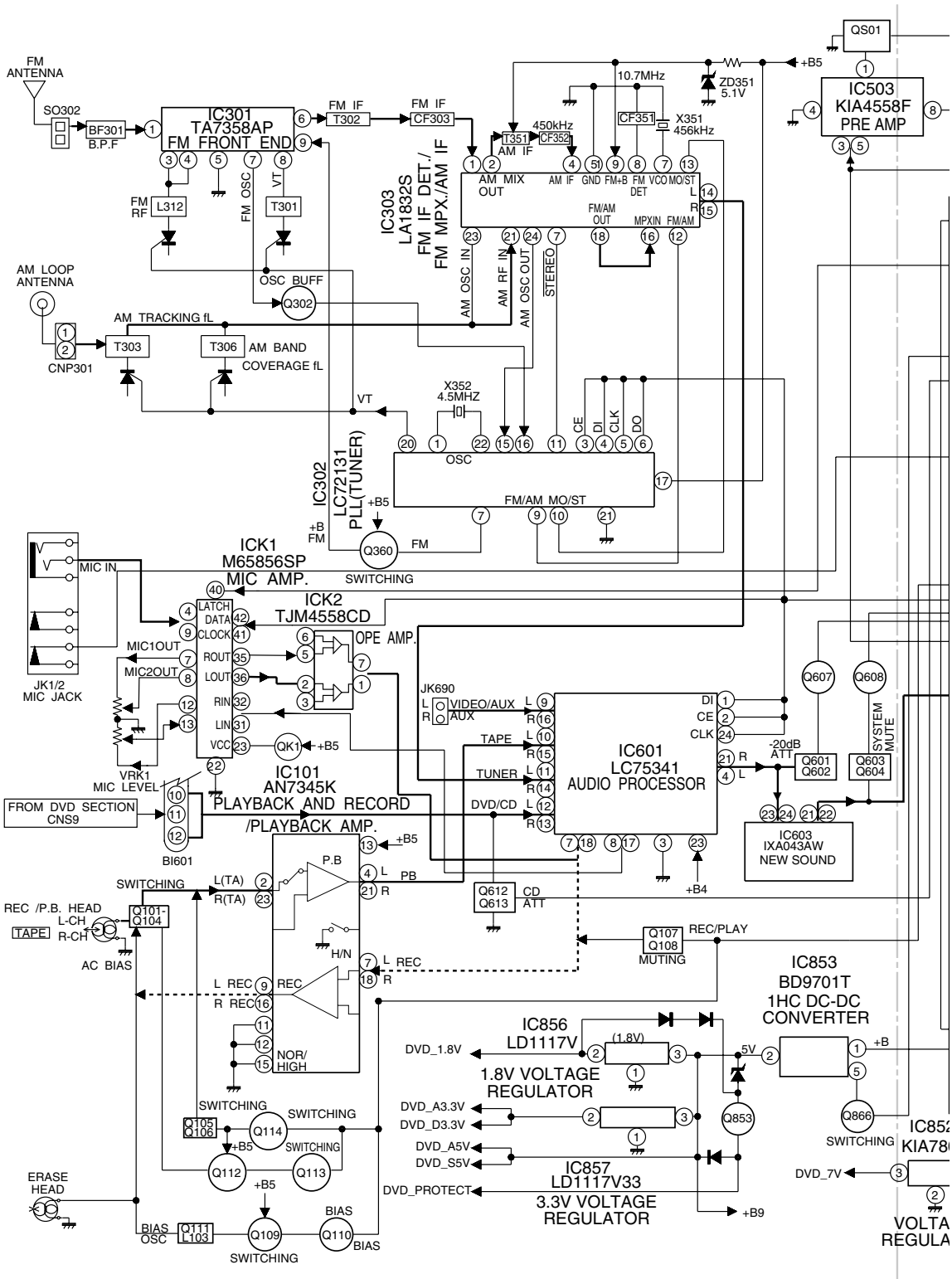


Figure 4-1 BLOCK DIAGRAM (1/3)

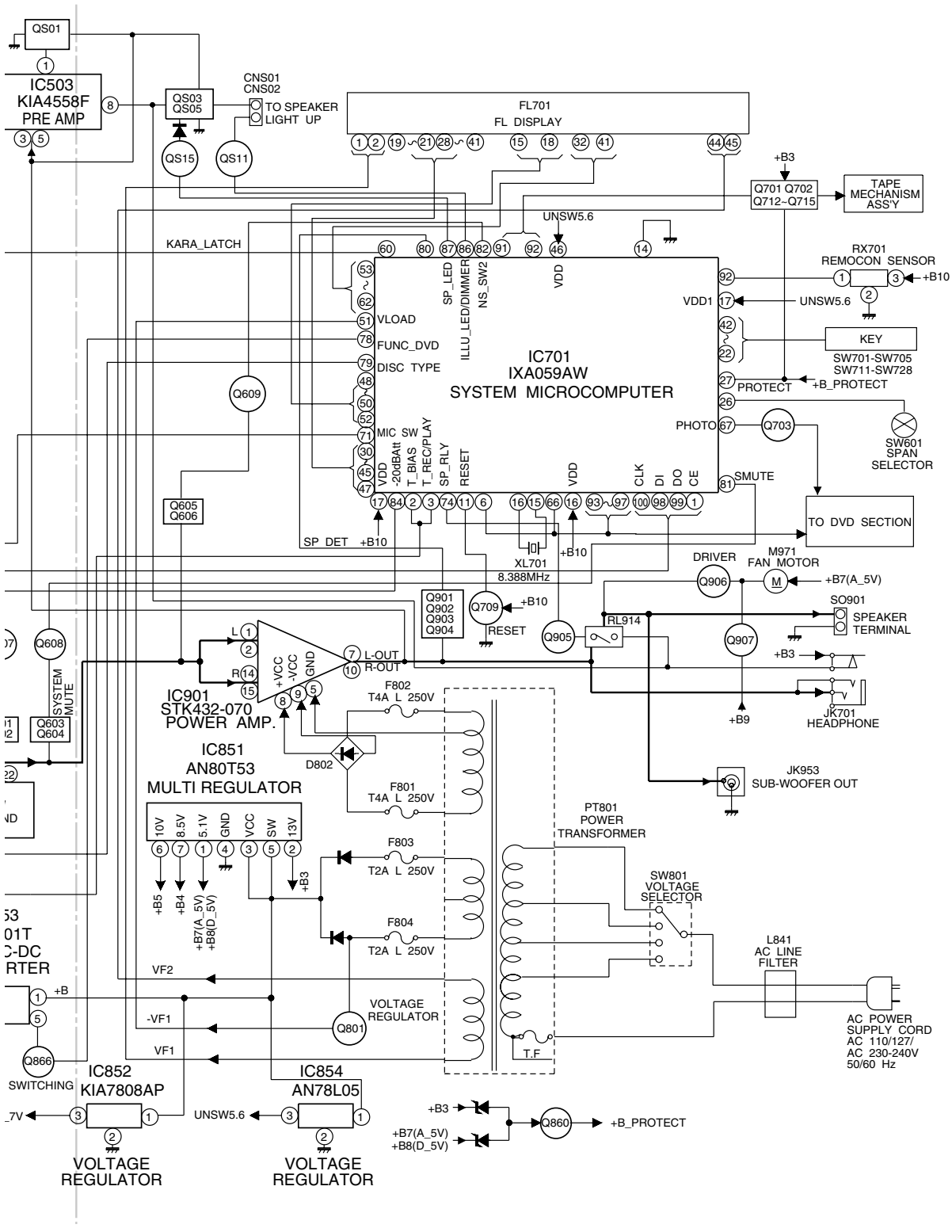


Figure 4-2 BLOCK DIAGRAM (2/3)

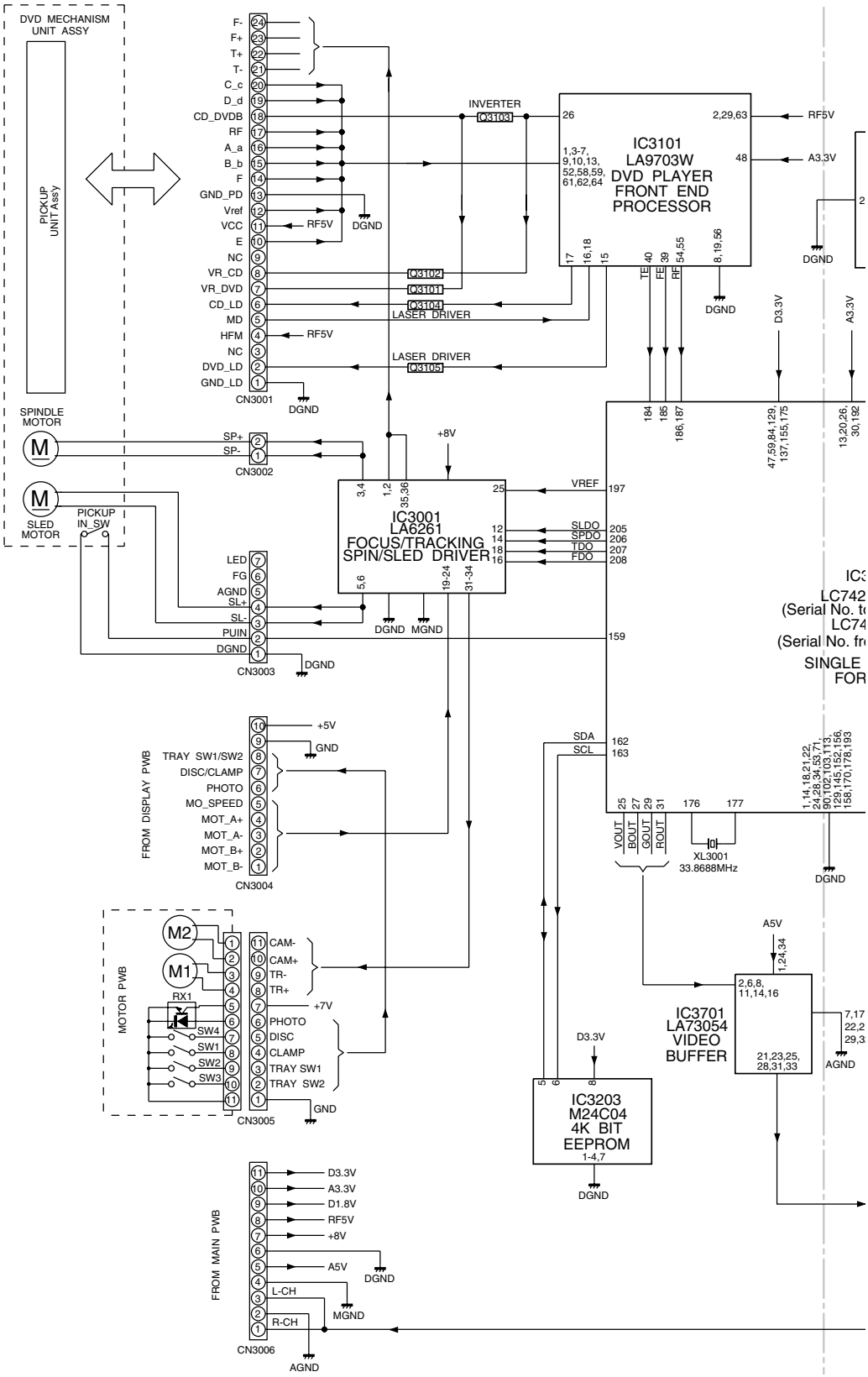


Figure 4-2 BLOCK DIAGRAM (2/3)

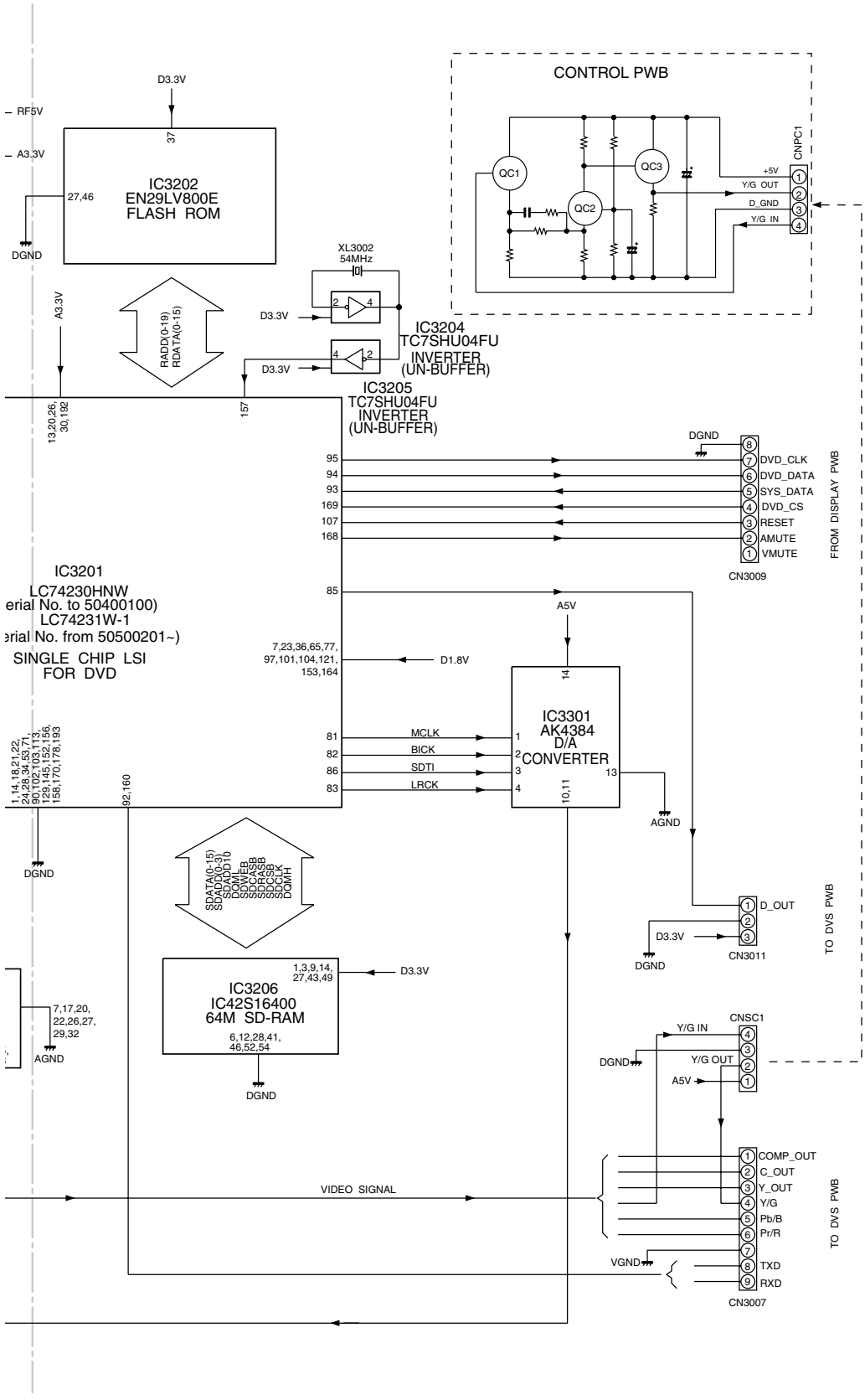


Figure 4-3 BLOCK DIAGRAM (3/3)

CHAPTER 5. CIRCUIT DESCRIPTION

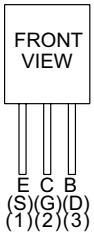
[1] Notes on schematic diagram

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ “ (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

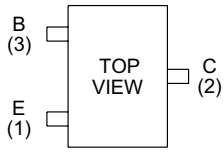
REF. NO	DESCRIPTION	POSITION
JOG701	VOLUME	ON—OFF
NSW1	PICKUP IN	ON—OFF
SW1	CLAMP	ON—OFF
SW2	TRAY SW1	ON—OFF
SW3	TRAY SW2	ON—OFF
SW4	DISC	ON—OFF
SW601	SPAN SELECTOR	ON—OFF
SW701	POWER ON/STAND-BY	ON—OFF
SW702	CLOCK/TIMER	ON—OFF
SW703	TUNING UP	ON—OFF
SW704	TUNING DOWN	ON—OFF
SW705	FAST REWIND/PRESET DOWN	ON—OFF
SW706	EQUALIZER	ON—OFF
SW707	FAST FORWARD/PRESET UP	ON—OFF
SW708	REVERSE MODE	ON—OFF
SW712	TUNER (BAND)	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW713	CD	ON—OFF
SW714	TAPE	ON—OFF
SW715	GAME/VIDEO	ON—OFF
SW716	X-BASS/DEMO	ON—OFF
SW724	PLAY	ON—OFF
SW725	STOP	ON—OFF
SW726	REC./PAUSE	ON—OFF
SW727	MEMORY/SET	ON—OFF
SW728	OPEN/CLOSE	ON—OFF
SW729	DIRECT PLAY	ON—OFF
SW730	DISC2	ON—OFF
SW731	DISC4	ON—OFF
SW732	DISC5	ON—OFF
SW733	DISC3	ON—OFF
SW734	DISC1	ON—OFF
SW735	REVERSE PLAY	ON—OFF

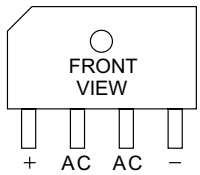
[2] Types of transistor and LED



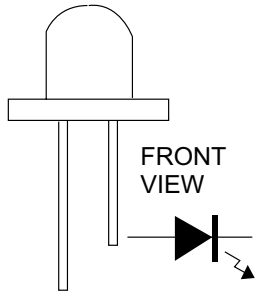
KTA1273 Y
KTA1274 Y
KTC3199 GR
KTC3194 Y
KTC3200 GR
KTC3203 Y
KTC3205 Y



KRA107 S
KRC102 S
KRC104 S
KTC107 S
KTA1504 GR
KTC3875 GR
KTK5133 S



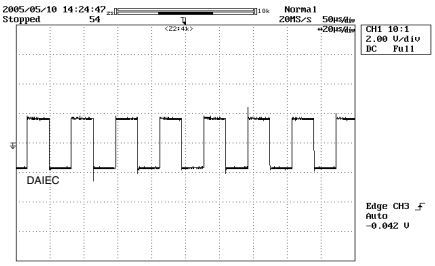
TS20P05G
TS10B05G



SDPB40F2A
SLR342VCB1
SDPB50CD

[3] Waveforms of CD circuit

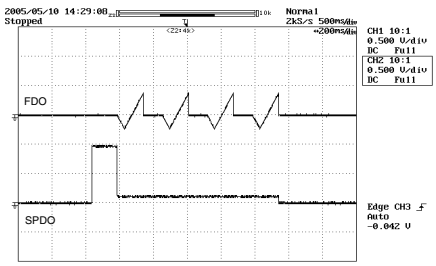
1 IC3201 (85)



NO DISC

2 IC3201 (208)

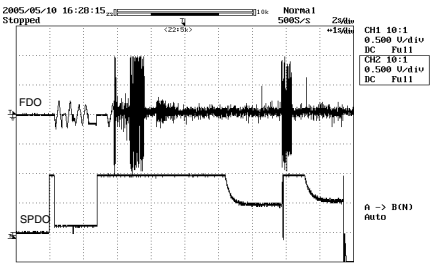
3 IC3201 (206)



DVD PLAY

2 IC3201 (208)

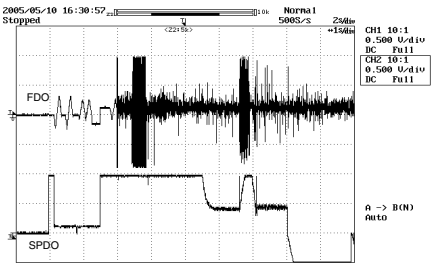
3 IC3201 (206)



CD PLAY

2 IC3201 (208)

3 IC3201 (206)

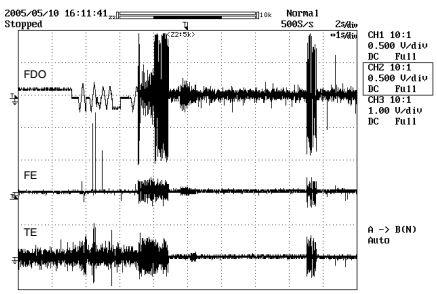


DVD PLAY

2 IC3201 (208)

4 IC3201 (185)

5 IC3201 (184)

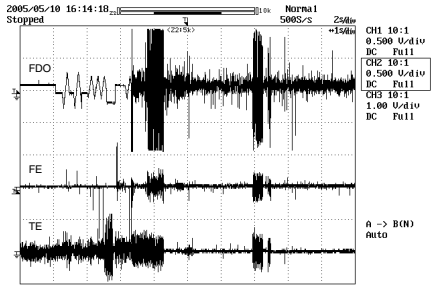


CD PLAY

2 IC3201 (208)

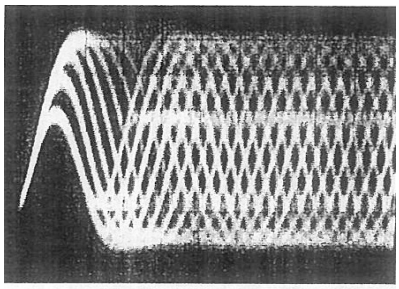
4 IC3201 (185)

5 IC3201 (184)



DVD PLAY

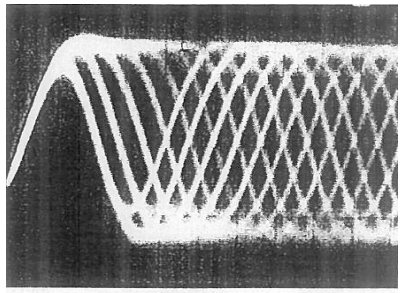
6 IC3101 (54) RF



Vp-p=1.2V (1.0V～1.4V)
0.2V/div , 0.1 μ sec/div

CD PLAY

6 IC3101 (54) RF



Vp-p=1.2V (1.0V～1.4V)
0.2V/div , 0.2 μ sec/div

[4] Voltage

IC901	
	VOLTAGE
1	51.12 V
2	20.47 V
3	6.20 V
4	6.04 V
5	20.47 V
6	51.09 V
7	0.00 V
8	0.00 V
9	0.00 V
10	0.00 V
11	0.00 V
12	49.67 V
13	49.81 V
14	0.14 V
15	0.15 V
16	48.45 V
17	0.15 V
18	0.15 V

IC902	
PIN	VOLTAGE
1	51.12 V
2	20.47 V
3	6.25 V
4	6.04 V
5	20.47 V
6	51.10 V
7	0.00 V
8	0.00 V
9	0.00 V
10	0.13 V
11	0.13 V
12	49.61 V
13	49.86 V
14	0.15 V
15	0.15 V
16	48.48 V
17	0.00 V
18	0.00 V

IC903	
PIN	VOLTAGE
1	5.10 V
2	13.20 V
3	17.82 V
4	0.00 V
5	16.70 V
6	10.00 V
7	7.82 V

IC503	
PIN	VOLTAGE
1	5.00 V
2	5.87 V
3	5.84 V
4	0.00 V
5	1.63 V
6	1.63 V
7	1.59 V
8	11.77 V

IC603	
PIN	VOLTAGE
1	4.97 V
2	4.97 V
3	4.97 V
4	0.00 V
5	0.00 V
6	4.97 V
7	4.97 V
8	5.00 V
9	4.97 V
10	4.97 V
11	4.97 V
12	0.00 V
13	9.90 V
14	4.97 V
15	4.96 V
16	0.00 V
17	0.00 V
18	4.96 V
19	4.97 V
20	4.97 V
21	4.97 V
22	4.97 V
23	4.95 V
24	4.97 V

IC101	
PIN	VOLTAGE
1	0.00 V
2	0.00 V
3	0.56 V
4	1.94 V
5	0.00 V
6	1.32 V
7	0.00 V
8	0.59 V
9	3.36 V
10	3.34 V
11	0.00 V
12	0.00 V
13	6.84 V
14	4.11 V
15	0.00 V
16	3.35 V
17	0.58 V
18	0.00 V
19	1.68 V
20	0.00 V
21	1.94 V
22	0.56 V
23	0.00 V
24	0.00 V

IC801	
PIN	VOLTAGE
1	17.97 V
2	4.98 V
3	0.00 V
4	0.97 V
5	16.59 V

IC301	
PIN	VOLTAGE
1	0.91 V
2	1.62 V
3	5.22 V
4	1.59 V
5	0.00 V
6	5.24 V
7	4.50 V
8	5.20 V
9	5.24 V

IC302	
PIN	VOLTAGE
1	2.64 V
2	0.00 V
3	0.00 V
4	0.00 V
5	0.00 V
6	4.95 V
7	9.88 V
8	4.67 V
9	0.00 V
10	0.00 V
11	5.10 V
12	0.00 V
13	5.10 V
14	0.00 V
15	0.00 V
16	2.59 V
17	5.12 V
18	0.00 V
19	0.00 V
20	9.89 V
21	0.00 V
22	2.58 V

IC602	
PIN	VOLTAGE
1	5.10 V
2	0.00 V
3	5.14 V
4	0.00 V
5	0.00 V
6	10.00 V
7	4.35 V
8	0.00 V

ICK2	
PIN	VOLTAGE
1	4.84 V
2	4.84 V
3	4.84 V
4	0.00 V
5	4.83 V
6	4.84 V
7	4.84 V
8	9.72 V

IC601	
PIN	VOLTAGE
1	0.00 V
2	0.00 V
3	0.00 V
4	4.96 V
5	4.93 V
6	4.94 V
7	4.94 V
8	4.94 V
9	4.94 V
10	4.94 V
11	4.94 V
12	4.93 V
13	4.94 V
14	4.94 V
15	4.94 V
16	4.94 V
17	4.92 V
18	4.94 V
19	4.94 V
20	4.94 V
21	4.96 V
22	4.96 V
23	9.91 V
24	0.00 V

IC303	
PIN	VOLTAGE
1	2.07 V
2	5.03 V
3	2.07 V
4	0.00 V
5	5.11 V
6	5.11 V
7	4.06 V
8	5.03 V
9	0.00 V
10	3.89 V
11	3.89 V
12	3.89 V
13	2.17 V
14	1.22 V
15	1.18 V
16	2.05 V
17	0.00 V
18	2.43 V
19	0.00 V
20	0.17 V
21	2.30 V
22	2.29 V
23	5.03 V
24	3.56 V

1C701			
PIN	VOLTAGE	PIN	VOLTAGE
1	4.94 V	51	0.00 V
2	4.94 V	52	4.40 V
3	4.92 V	53	4.38 V
4	4.92 V	54	0.00 V
5	1.32 V	55	4.39 V
6	4.92 V	56	4.43 V
7	4.92 V	57	-29.05 V
8	0.267 V	58	-26.42 V
9	4.87 V	59	-18.41 V
10	4.87 V	60	-29.08 V
11	4.87 V	61	-29.08 V
12	0.00 V	62	0.00 V
13	0.00 V	63	-29.08 V
14	0.00 V	64	-0.92 V
15	0.00 V	65	-0.96 V
16	0.00 V	66	-11.10 V
17	0.00 V	67	0.00 V
18	0.00 V	68	-23.60 V
19	0.00 V	69	-29.00 V
20	0.00 V	70	-23.60 V
21	0.00 V	71	0.00 V
22	4.52 V	72	0.00 V
23	4.41 V	73	-23.60 V
24	4.54 V	74	-26.20 V
25	0.00 V	75	-23.60 V
26	0.00 V	76	0.00 V
27	1.87 V	77	-26.40 V
28	4.05 V	78	0.00 V
29	4.07 V	79	-23.60 V
30	0.00 V	80	0.00 V
31	4.66 V	81	-23.61 V
32	0.23 V	82	-20.84 V
33	4.95 V	83	-10.43 V
34	4.95 V	84	-23.50 V
35	0.00 V	85	-26.40 V
36	0.00 V	86	-28.93 V
37	13.15 V	87	-26.40 V
38	13.15 V	88	-21.10 V
39	13.15 V	89	-25.12 V
40	0.00 V	90	-24.99 V
41	-23.6 V	91	-23.01 V
42	4.72 V	92	-25.00 V
43	4.41 V	93	-24.98 V
44	4.54 V	94	-25.00 V
45	0.00 V	95	-24.85 V
46	0.014 V	96	-24.92 V
47	5.110 V	97	-24.89 V
48	0.00 V	98	-24.82 V
49	4.630 V	99	-24.87 V
50	4.570 V	100	-24.63 V

IC802	
PIN	VOLTAGE
1	10.00 V
2	0.62 V
3	5.61 V

IC852	
PIN	VOLTAGE
1	7.93 V
2	0.00 V
3	17.48 V

IC856	
PIN	VOLTAGE
1	0.69 V
2	1.94 V
3	3.43 V

IC857	
PIN	VOLTAGE
1	0.05 V
2	3.35 V
3	4.92 V

ICK1	
PIN NO.	VOLTAGE
1	0.85 V
2	1.00 V
3	0.70 V
4	2.50 V
5	2.50 V
6	2.50 V
7	2.50 V
8	2.50 V
9	2.50 V
10	2.50 V
11	2.50 V
12	2.50 V
13	2.50 V
14	2.50 V
15	2.50 V
16	2.50 V
17	2.50 V
18	2.50 V
19	2.50 V
20	0.53 V
21	2.50 V
22	0.00 V
23	4.92 V
24	0.00 V
25	2.50 V
26	2.50 V
27	2.50 V
28	2.50 V
29	2.50 V
30	2.50 V
31	2.50 V
32	2.50 V
33	2.50 V
34	2.50 V
35	2.50 V
36	2.50 V
37	2.50 V
38	0.00 V
39	0.00 V
40	0.00 V
41	0.00 V
42	4.85 V

IC3201

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0.00 V	51	2.40 V	101	2.40 V	151	0.00 V	201	1.70 V
2	0.60 V	52	1.90 V	102	0.00 V	152	0.00 V	202	1.70 V
3	0.60 V	53	0.00 V	103	0.00 V	153	2.39 V	203	1.70 V
4	0.60 V	54	1.60 V	104	2.40 V	154	0.00 V	204	1.70 V
5	0.00 V	55	2.10 V	105	3.38 V	155	3.38 V	205	1.70 V
6	0.00 V	56	1.90 V	106	3.38 V	156	0.00 V	206	1.70 V
7	2.4 V	57	2.10 V	107	3.38 V	157	1.74 V	207	1.70 V
8	3.38 V	58	2.10 V	108	3.30 V	158	0.00 V	208	1.70 V
9	1.46 V	59	3.38 V	109	3.38 V	159	3.38 V		
10	1.46 V	60	1.40 V	110	3.30 V	160	0.00 V		
11	0.00 V	61	2.50 V	111	1.00 V	161	0.00 V		
12	0.00 V	62	1.80 V	112	1.60 V	162	0.00 V		
13	3.38 V	63	1.60 V	113	0.00 V	163	3.38 V		
14	0.00 V	64	2.00 V	114	1.60 V	164	2.40 V		
15	1.95 V	65	2.40 V	115	0.00 V	165	3.38 V		
16	0.70 V	66	1.90 V	116	1.60 V	166	3.38 V		
17	1.41 V	67	2.10 V	117	1.80 V	167	3.38 V		
18	0.00 V	68	2.00 V	118	1.80 V	168	0.00 V		
19	0.70 V	69	0.00 V	119	1.80 V	169	1.78 V		
20	3.38 V	70	1.60 V	120	1.80 V	170	0.00 V		
21	0.00 V	71	0.00 V	121	2.30 V	171	0.00 V		
22	0.00 V	72	0.00 V	122	1.80 V	172	0.00 V		
23	2.40 V	73	0.00 V	123	1.80 V	173	0.00 V		
24	0.00 V	74	0.00 V	124	1.80 V	174	3.38 V		
25	0.00 V	75	0.00 V	125	1.80 V	175	3.38 V		
26	3.38 V	76	0.00 V	126	1.80 V	176	1.70 V		
27	0.00 V	77	2.40 V	127	1.80 V	177	1.70 V		
28	0.00 V	78	0.00 V	128	1.80 V	178	0.00 V		
29	0.00 V	79	0.00 V	129	0.00 V	179	1.70 V		
30	0.50 V	80	0.00 V	130	1.80 V	180	1.40 V		
31	3.38 V	81	1.70 V	131	3.38 V	181	2.00 V		
32	0.50 V	82	1.70 V	132	3.38 V	182	1.80 V		
33	2.40 V	83	1.70 V	133	3.38 V	183	1.70 V		
34	1.35 V	84	3.38 V	134	3.38 V	184	1.70 V		
35	0.00 V	85	1.70 V	135	0.00 V	185	1.70 V		
36	2.45 V	86	0.00 V	136	0.00 V	186	1.70 V		
37	2.40 V	87	0.00 V	137	3.38 V	187	1.70 V		
38	0.00 V	88	0.00 V	138	0.00 V	188	1.70 V		
39	0.00 V	89	0.00 V	139	0.00 V	189	1.70 V		
40	0.00 V	90	0.00 V	140	0.00 V	190	1.70 V		
41	0.00 V	91	0.00 V	141	0.00 V	191	1.70 V		
42	0.00 V	92	3.38 V	142	0.00 V	192	3.38 V		
43	0.00 V	93	1.00 V	143	0.00 V	193	0.00 V		
44	0.00 V	94	2.40 V	144	0.00 V	194	1.70 V		
45	3.22 V	95	3.30 V	145	0.00 V	195	0.00 V		
46	3.36 V	96	3.30 V	146	0.00 V	196	1.70 V		
47	3.08 V	97	2.40 V	147	0.00 V	197	1.70 V		
48	3.38 V	98	0.00 V	148	0.00 V	198	1.70 V		
49	0.00 V	99	3.38 V	149	0.00 V	199	1.70 V		
50	1.40 V	100	0.00 V	150	0.00 V	200	1.80 V		

IC3001

PIN NO.	VOLTAGE
1	3.66 V
2	3.66 V
3	3.66 V
4	3.66 V
5	3.66 V
6	3.66 V
7	0.00 V
8	0.00 V
9	1.03 V
10	0.79 V
11	0.00 V
12	0.00 V
13	1.78 V
14	1.78 V
15	1.78 V
16	1.78 V
17	1.78 V
18	1.78 V
19	1.78 V
20	4.73 V
21	4.73 V
22	2.43 V
23	4.72 V
24	4.72 V
25	2.19 V
26	1.76 V
27	0.00 V
28	7.86 V
29	0.00 V
30	7.86 V
31	0.00 V
32	0.00 V
33	0.00 V
34	0.00 V
35	0.00 V
36	0.00 V
37	3.38 V
38	6.12 V

IC3301

PIN NO.	VOLTAGE
1	1.75 V
2	1.75 V
3	0.00 V
4	1.75 V
5	3.38 V
6	3.38 V
7	3.38 V
8	3.38 V
9	0.00 V
10	2.46 V
11	2.46 V
12	2.46 V
13	0.00 V
14	4.90 V
15	0.00 V
16	0.00 V

IC3203

PIN NO.	VOLTAGE
1	0.00 V
2	0.00 V
3	0.00 V
4	0.00 V
5	3.38 V
6	0.00 V
7	0.00 V
8	3.38 V

IC3204

PIN NO.	VOLTAGE
1	0.00 V
2	1.75 V
3	0.00 V
4	1.75 V
5	3.38 V

IC3205

PIN NO.	VOLTAGE
1	0.00 V
2	1.75 V
3	0.00 V
4	1.75 V
5	3.38 V

IC3701

PIN NO.	VOLTAGE
1	4.90 V
2	2.71 V
3	0.00 V
4	0.00 V
5	0.00 V
6	2.80 V
7	0.00 V
8	2.75 V
9	0.00 V
10	0.00 V
11	2.75 V
12	0.00 V
13	0.00 V
14	2.85 V
15	0.00 V
16	3.30 V
17	0.00 V
18	2.20 V
19	4.90 V
20	0.00 V
21	3.40 V
22	0.00 V
23	2.49 V
24	4.96 V
25	2.26 V
26	0..00 V
27	0.00 V
28	2.26 V
29	0.00 V
30	0.00 V
31	2.43 V
32	0.00 V
33	2.26 V
34	4.91 V
35	4.91 V
36	0.00 V

IC3202

PIN NO.	VOLTAGE
1	3.38 V
2	3.38 V
3	3.38 V
4	3.38 V
5	3.38 V
6	3.38 V
7	3.38 V
8	3.38 V
9	0.00 V
10	0.00 V
11	3.38 V
12	3.38 V
13	0.00 V
14	3.38 V
15	1.00 V
16	3.38 V
17	0.00 V
18	3.38 V
19	3.38 V
20	3.38 V
21	3.38 V
22	3.38 V
23	3.38 V
24	3.38 V
25	0.00 V
26	3.38 V
27	0.00 V
28	3.38 V
29	0.00 V
30	0.80 V
31	1.00 V
32	1.00 V
33	1.00 V
34	1.00 V
35	1.00 V
36	1.00 V
37	3.38 V
38	1.00 V
39	1.00 V
40	1.00 V
41	1.00 V
42	1.00 V
43	1.00 V
44	1.00 V
45	1.67 V
46	0.00 V
47	3.38 V
48	0.00 V

IC3206

PIN NO.	VOLTAGE
1	3.38 V
2	2.06 V
3	3.38 V
4	2.30 V
5	2.10 V
6	0.00 V
7	2.10 V
8	1.80 V
9	3.40 V
10	2.15 V
11	2.77 V
12	0.00 V
13	1.40 V
14	3.38 V
15	0.00 V
16	3.38 V
17	3.03 V
18	3.36 V
19	3.22 V
20	0.00 V
21	0.00 V
22	0.00 V
23	0.00 V
24	0.00 V
25	0.00 V
26	0.00 V
27	3.38 V
28	0.00 V
29	0.00 V
30	0.00 V
31	0.00 V
32	0.00 V
33	0.00 V
34	0.00 V
35	0.00 V
36	0.00 V
37	3.38 V
38	1.62 V
39	0.00 V
40	0.00 V
41	0.00 V
42	2.10 V
43	3.38 V
44	2.74 V
45	1.80 V
46	0.00 V
47	2.20 V
48	1.54 V
49	3.38 V
50	2.00 V
51	2.50 V
52	0.00 V
53	1.60 V
54	0.00 V

IC3101

PIN NO.	VOLTAGE
1	2.06 V
2	4.97 V
3	3.44 V
4	3.44 V
5	3.44 V
6	3.44 V
7	3.44 V
8	0.00 V
9	2.50 V
10	2.50 V
11	2.50 V
12	2.50 V
13	2.50 V
14	2.50 V
15	4.85 V
16	0.00 V
17	4.86 V
18	0.00 V
19	0.00 V
20	0.00 V
21	0.00 V
22	0.00 V
23	0.00 V
24	0.00 V
25	0.00 V
26	3.36 V
27	4.96 V
28	0.00 V
29	4.96 V
30	0.00 V
31	3.38 V
32	1.76 V
33	1.76 V
34	1.76 V
35	1.76 V
36	1.76 V
37	1.76 V
38	2.06 V
39	1.76 V
40	1.81 V
41	1.77 V
42	1.77 V
43	1.77 V
44	1.77 V
45	1.27 V
46	1.70 V
47	1.78 V
48	3.80 V
49	1.42 V
50	1.96 V
51	1.77 V
52	2.53 V
53	1.35 V
54	2.53 V
55	3.80 V
56	0.00 V
57	0.64 V
58	2.50 V
59	2.50 V
60	0.50 V
61	2.48 V
62	2.10 V
63	4.90 V
64	2.10 V

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Schematic diagram

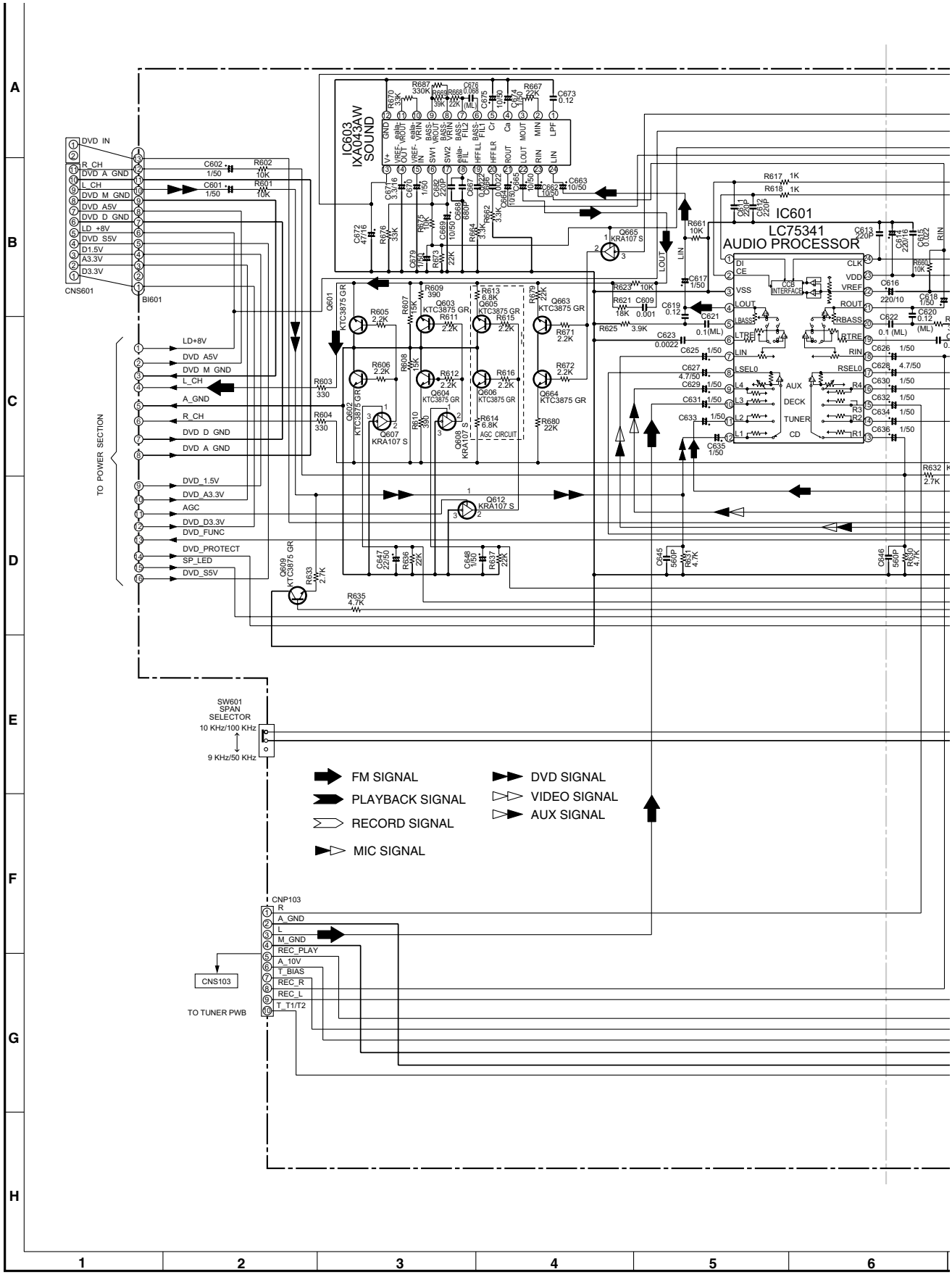
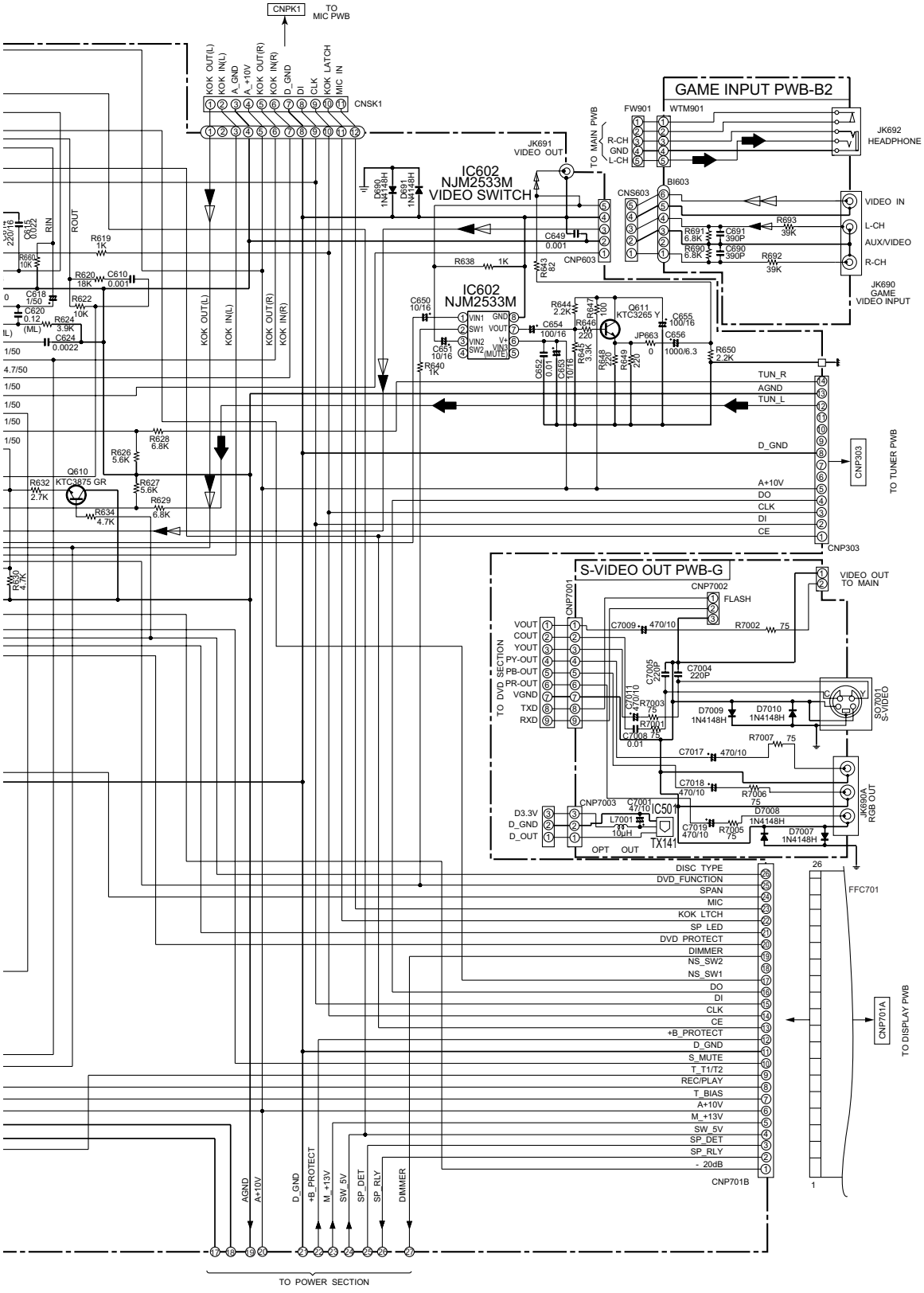


Figure 6-1 SCHEMATIC DIAGRAM (1/12)



	7	8	9	10	11	12

Figure 6-2 SCHEMATIC DIAGRAM (2/12)

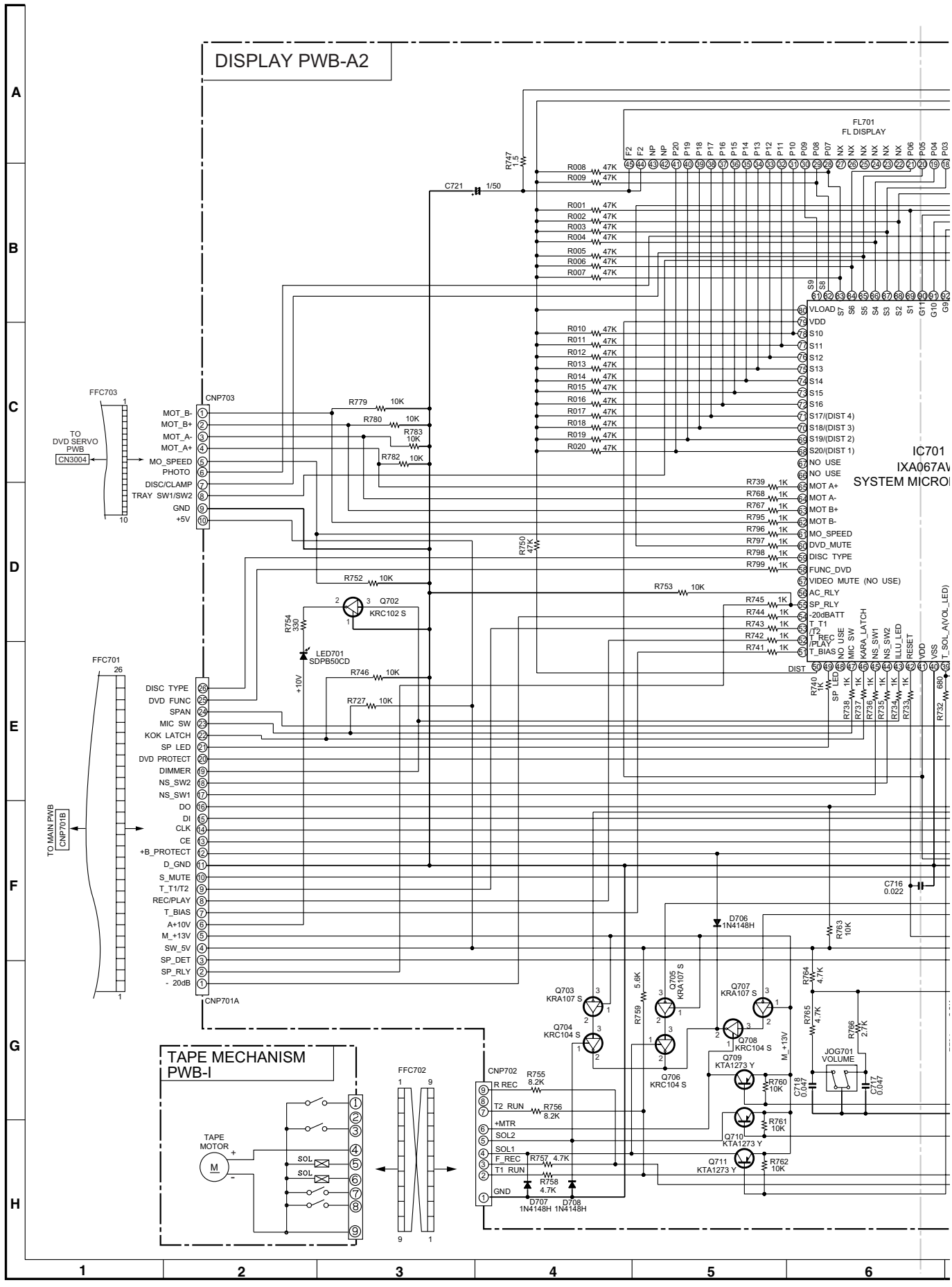


Figure 6-3 SCHEMATIC DIAGRAM (3/12)

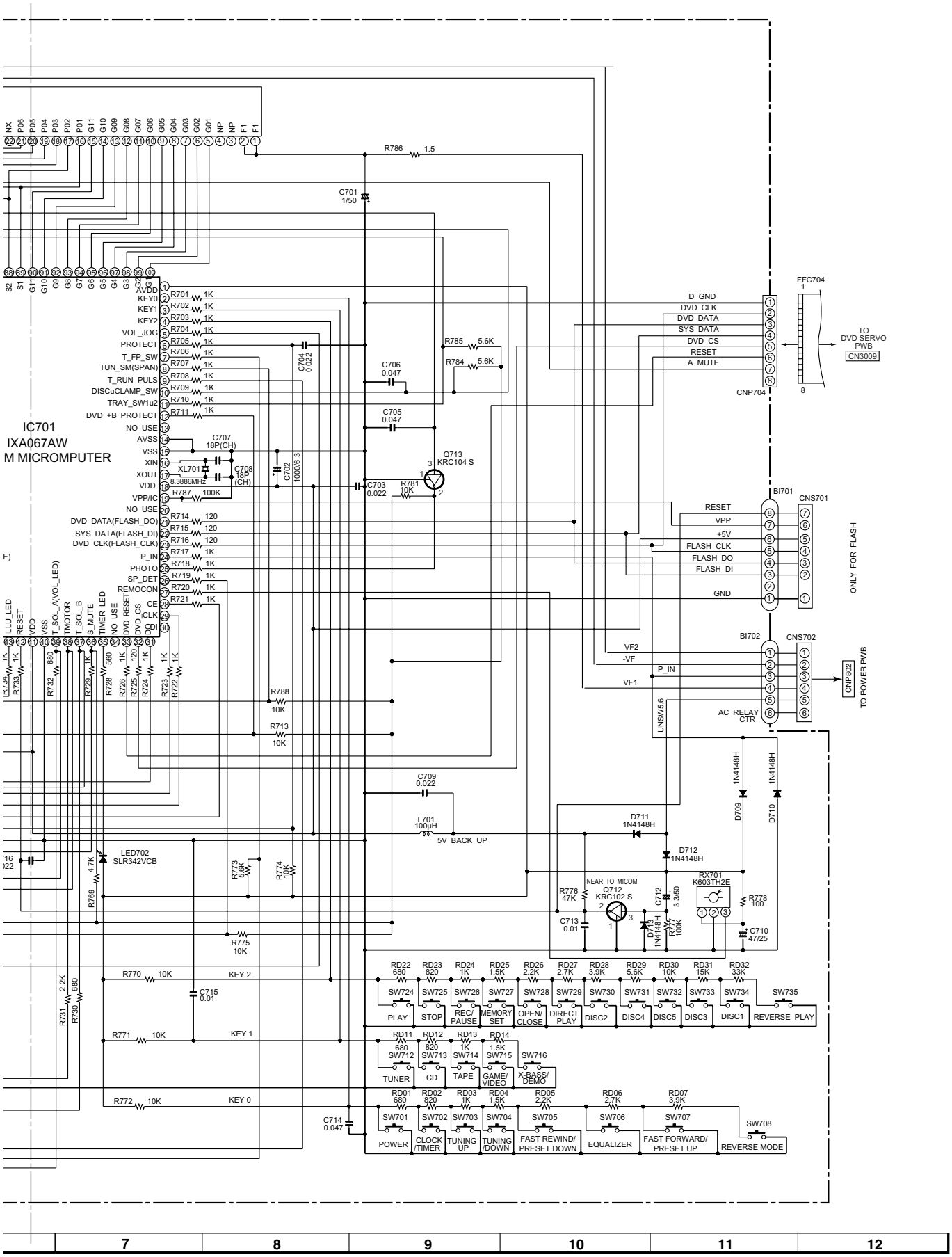


Figure 6-4 SCHEMATIC DIAGRAM (4/12)

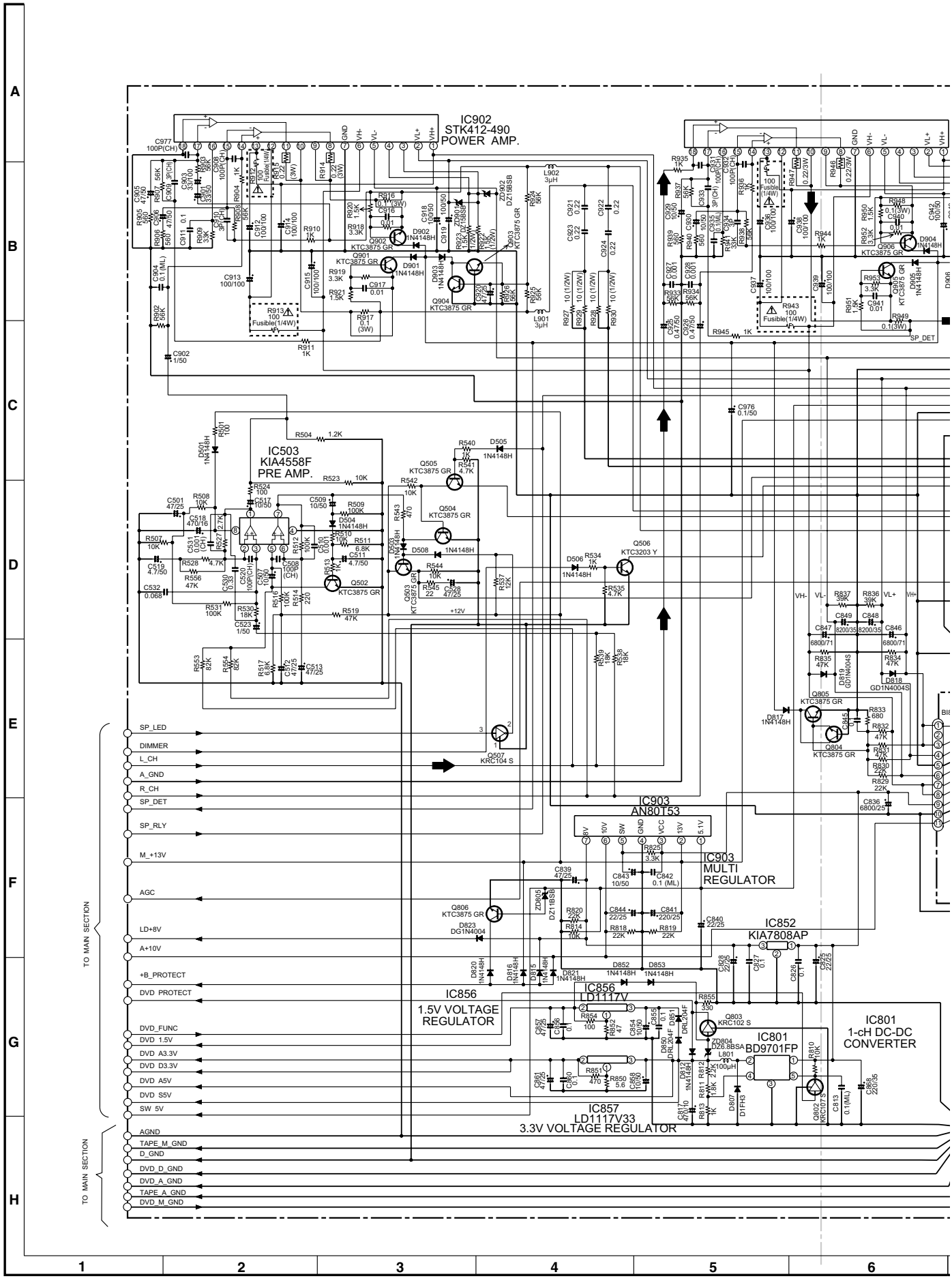
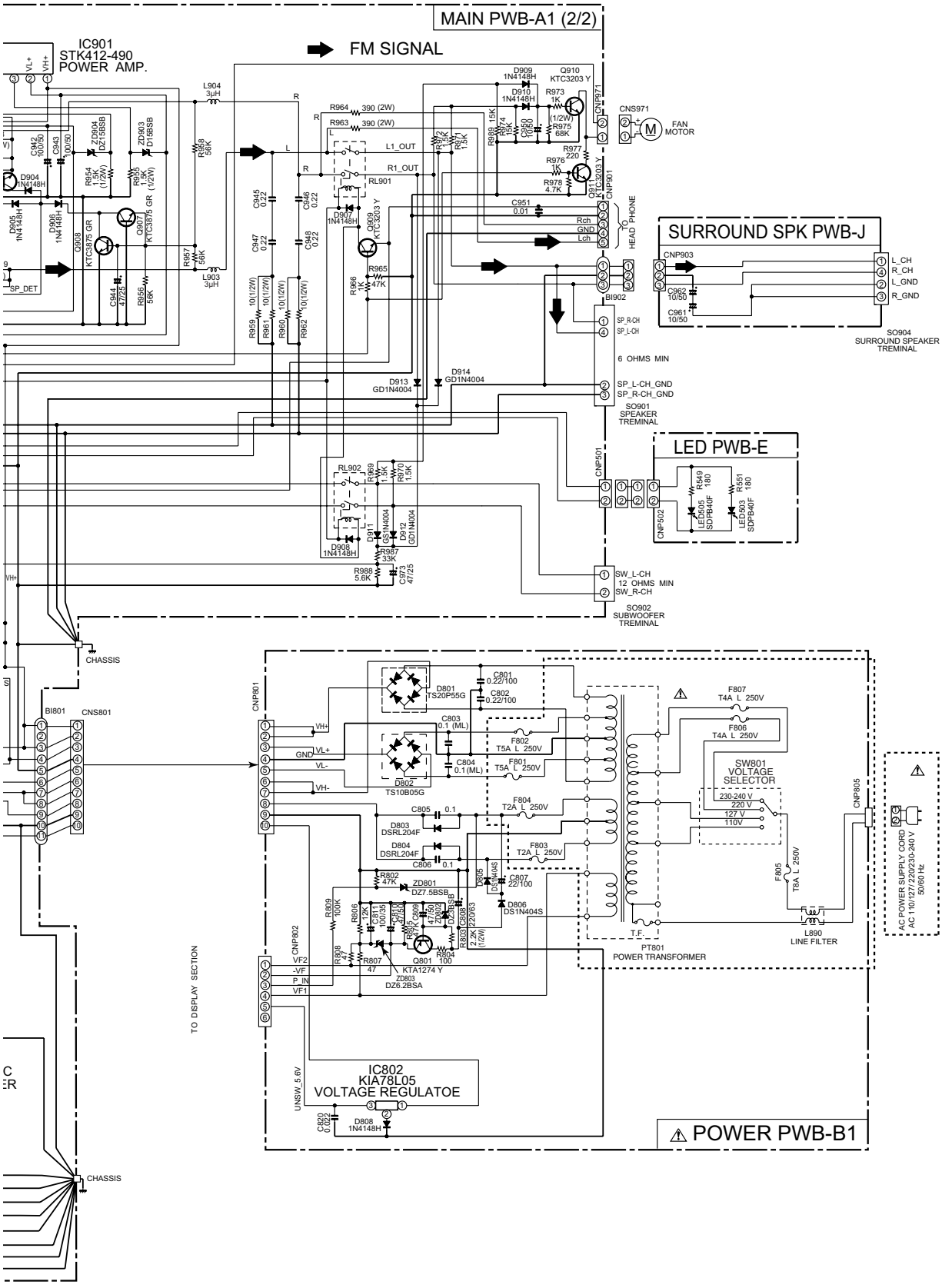


Figure 6-5 SCHEMATIC DIAGRAM (5/12)



7	8	9	10	11	12

Figure 6-6 SCHEMATIC DIAGRAM (6/12)

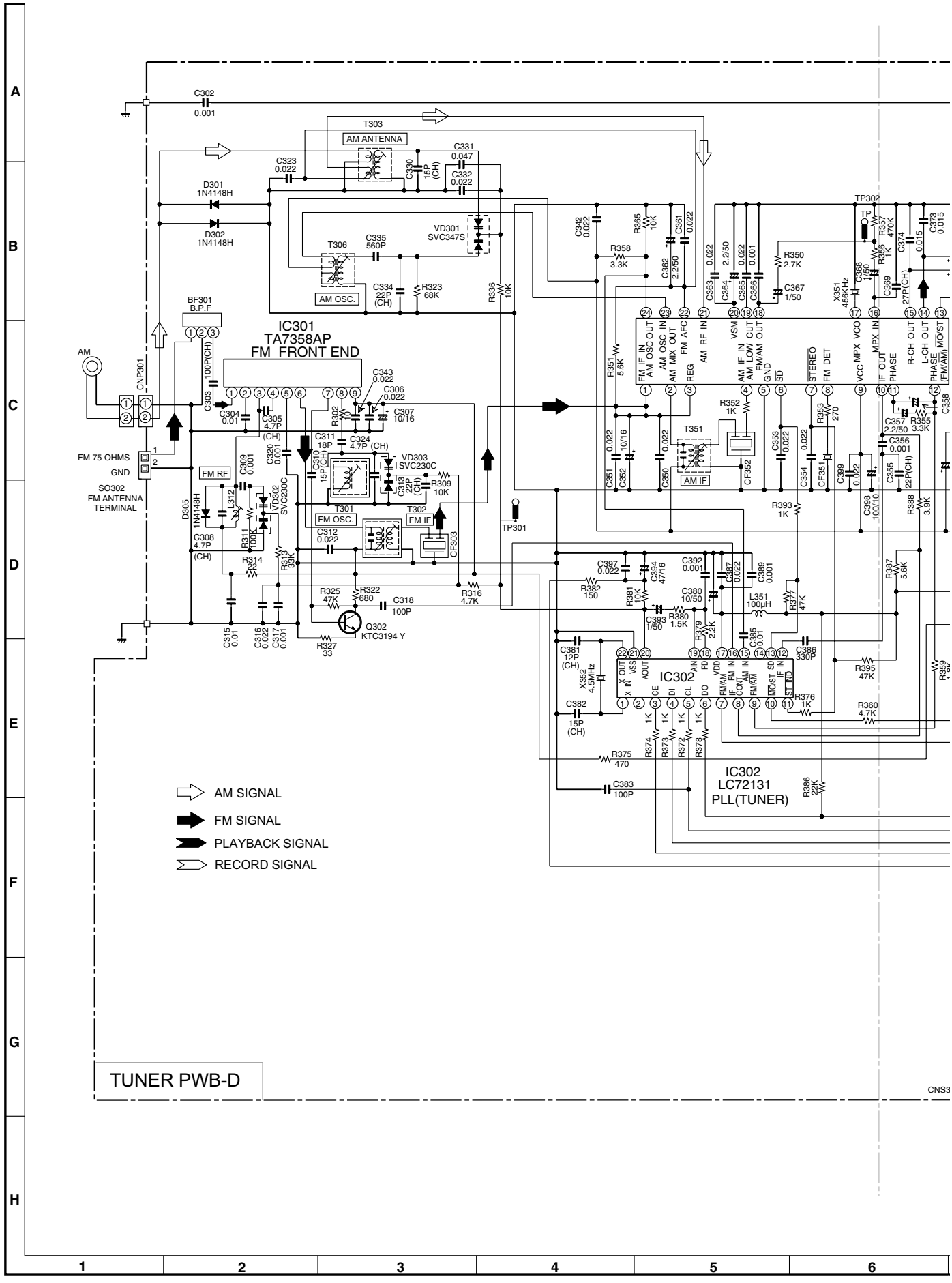
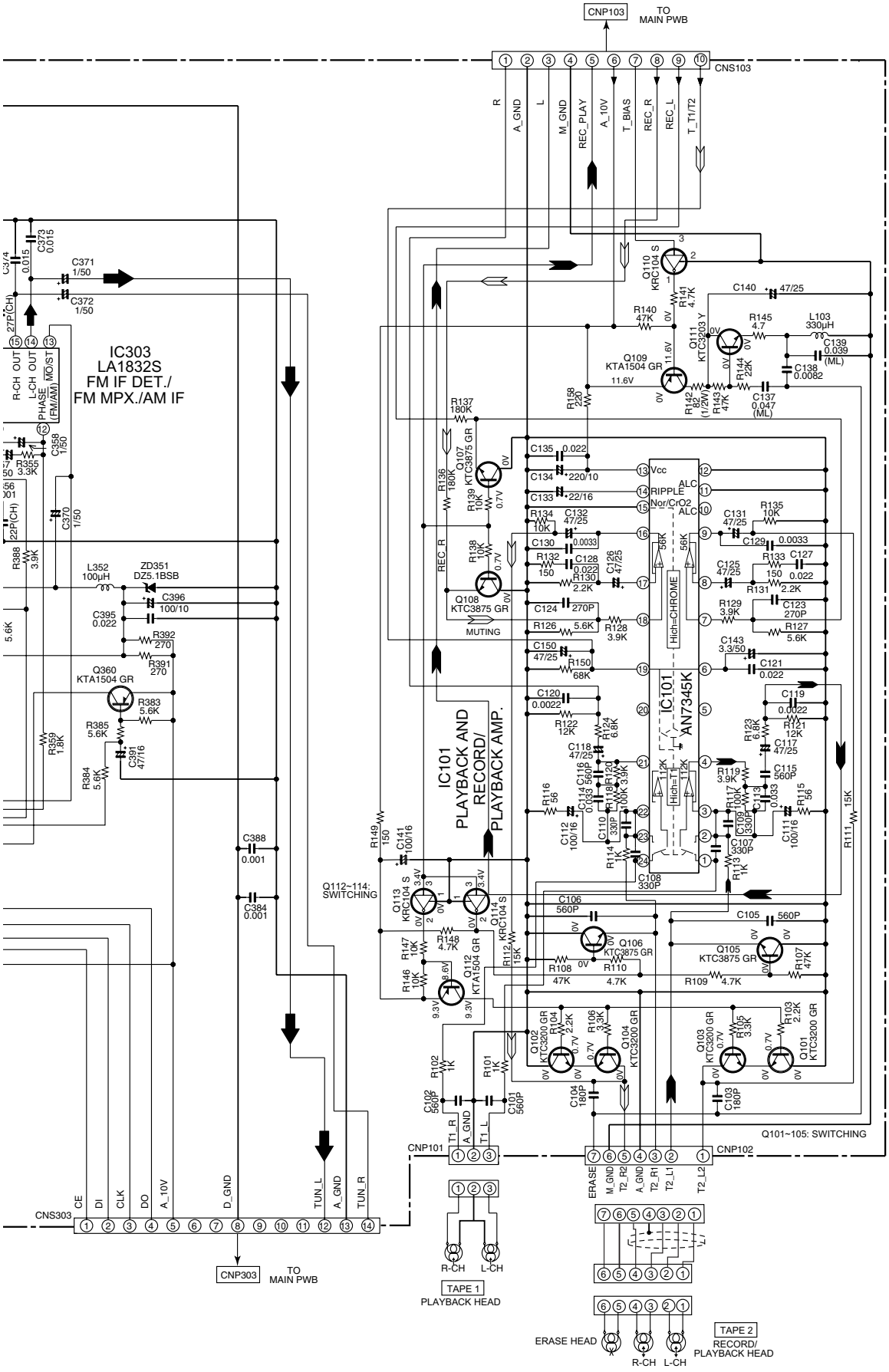


Figure 6-7 SCHEMATIC DIAGRAM (7/12)



	7	8	9	10	11	12

Figure 6-8 SCHEMATIC DIAGRAM (8/12)

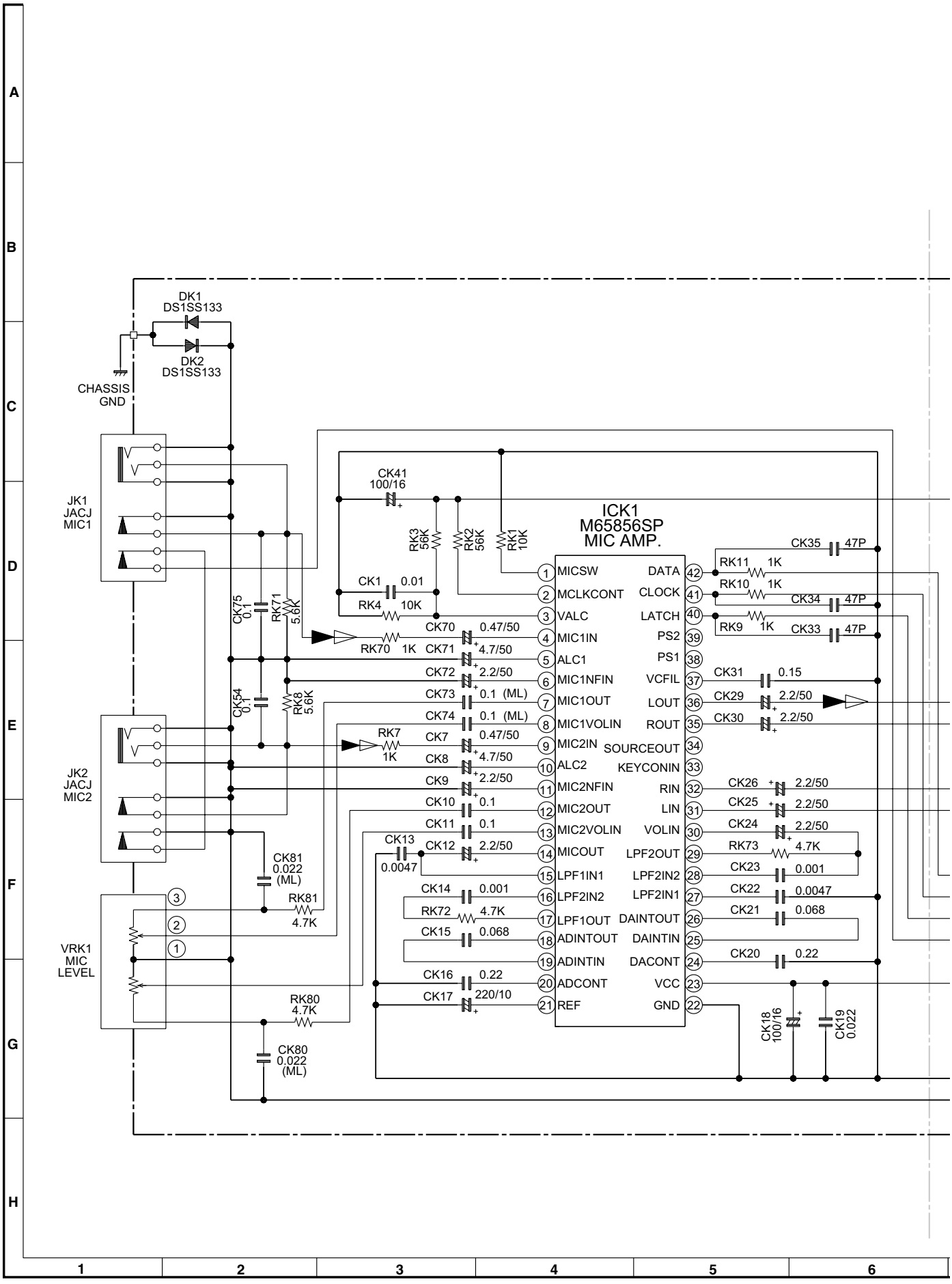
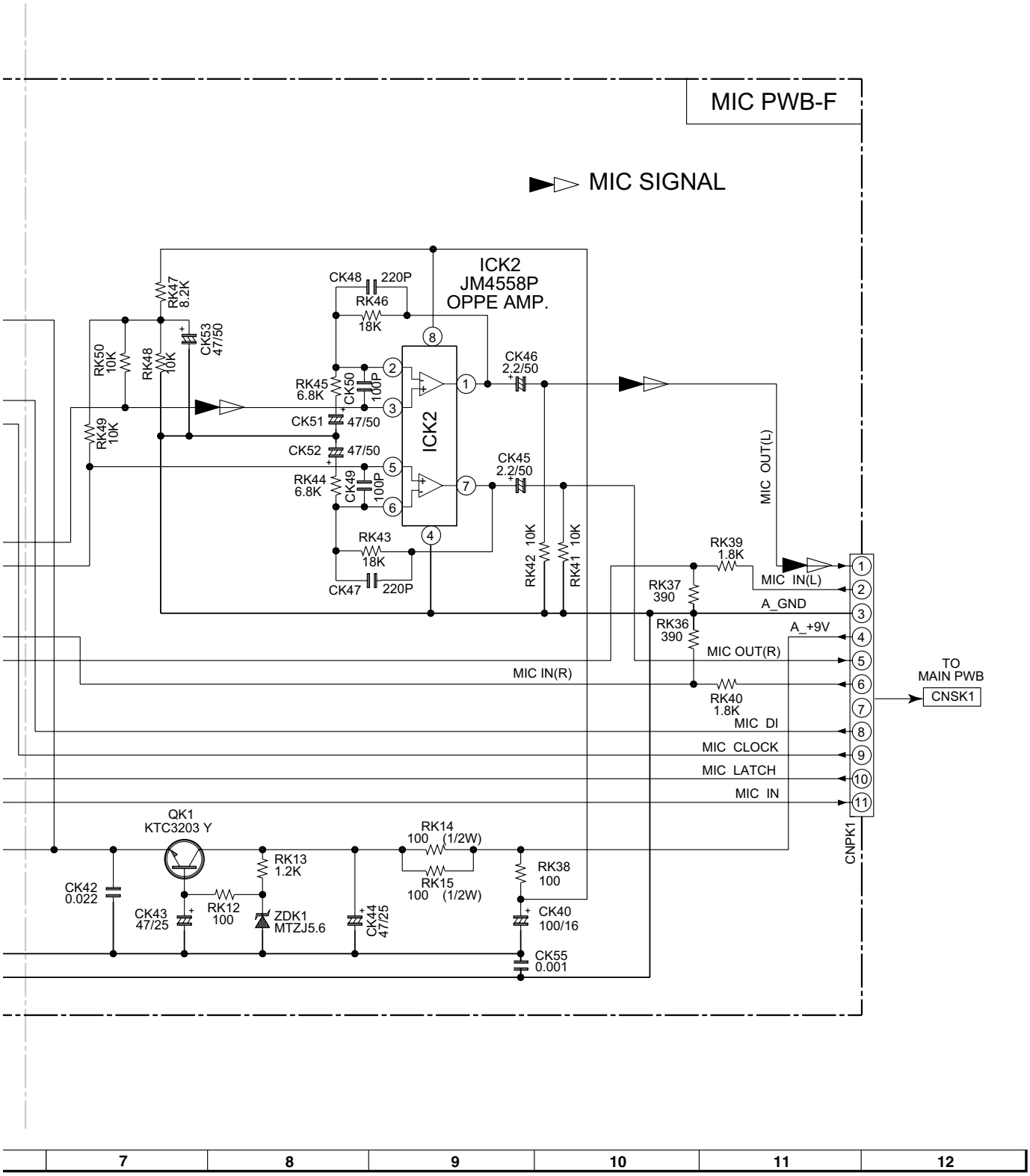


Figure 6-9 SCHEMATIC DIAGRAM (9/12)



7	8	9	10	11	12

Figure 6-10 SCHEMATIC DIAGRAM (10/12)

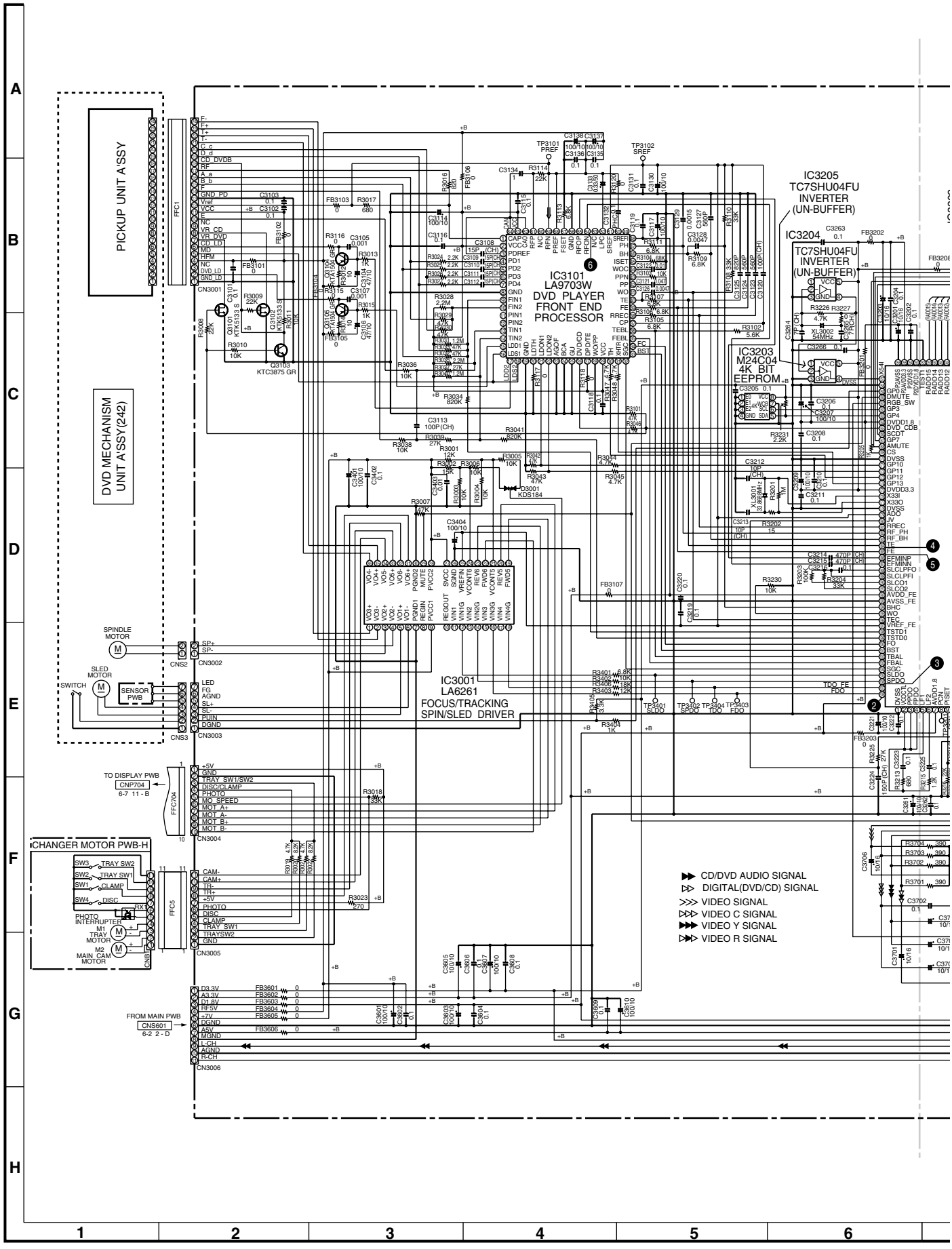
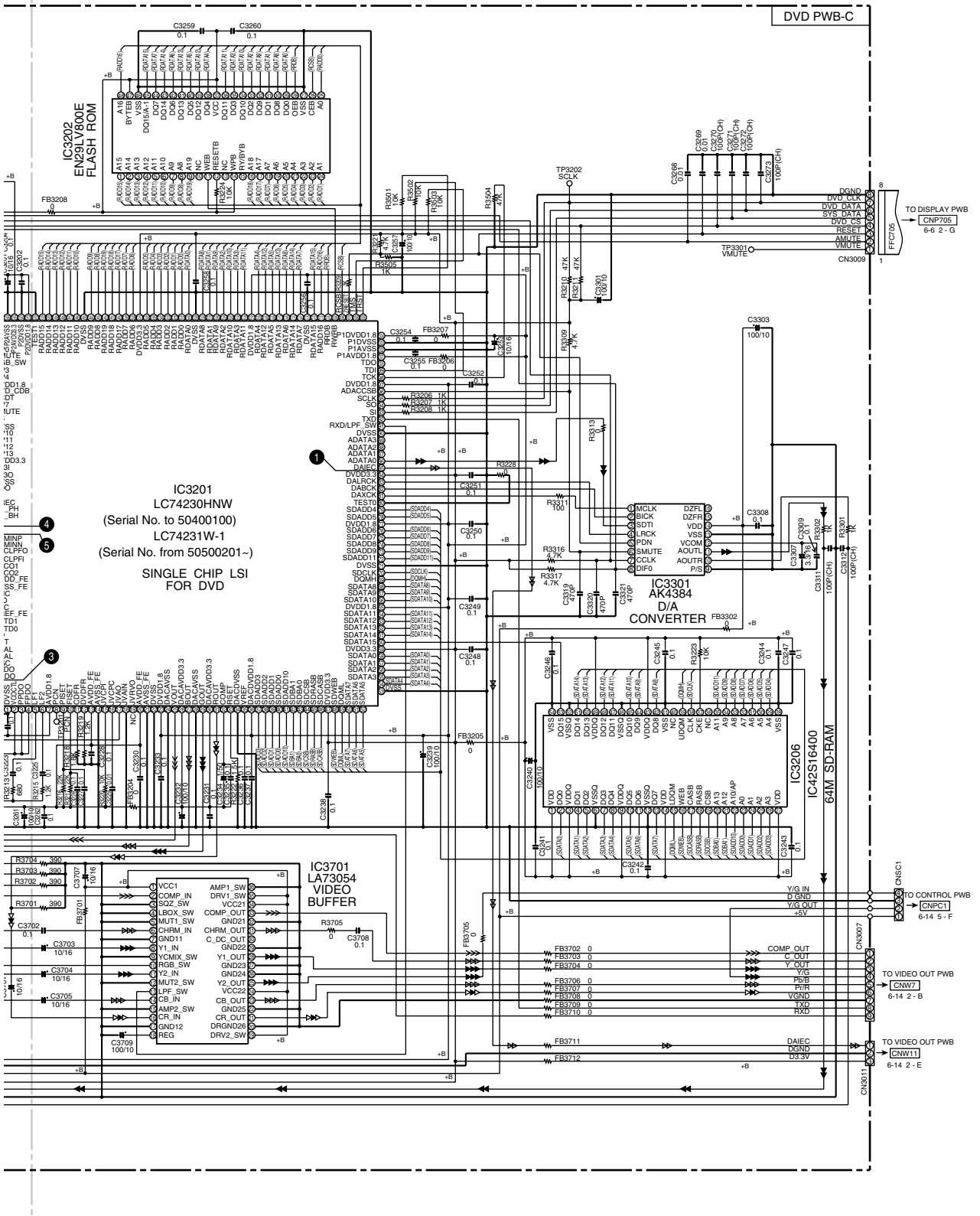


Figure 6-11 SCHEMATIC DIAGRAM (11/12)



● The numbers ❶ to ❻ are waveform numbers shown in page 5-1

7	8	9	10	11	12

Figure 6-12 SCHEMATIC DIAGRAM (12/12)

[2] Wiring side of PWB

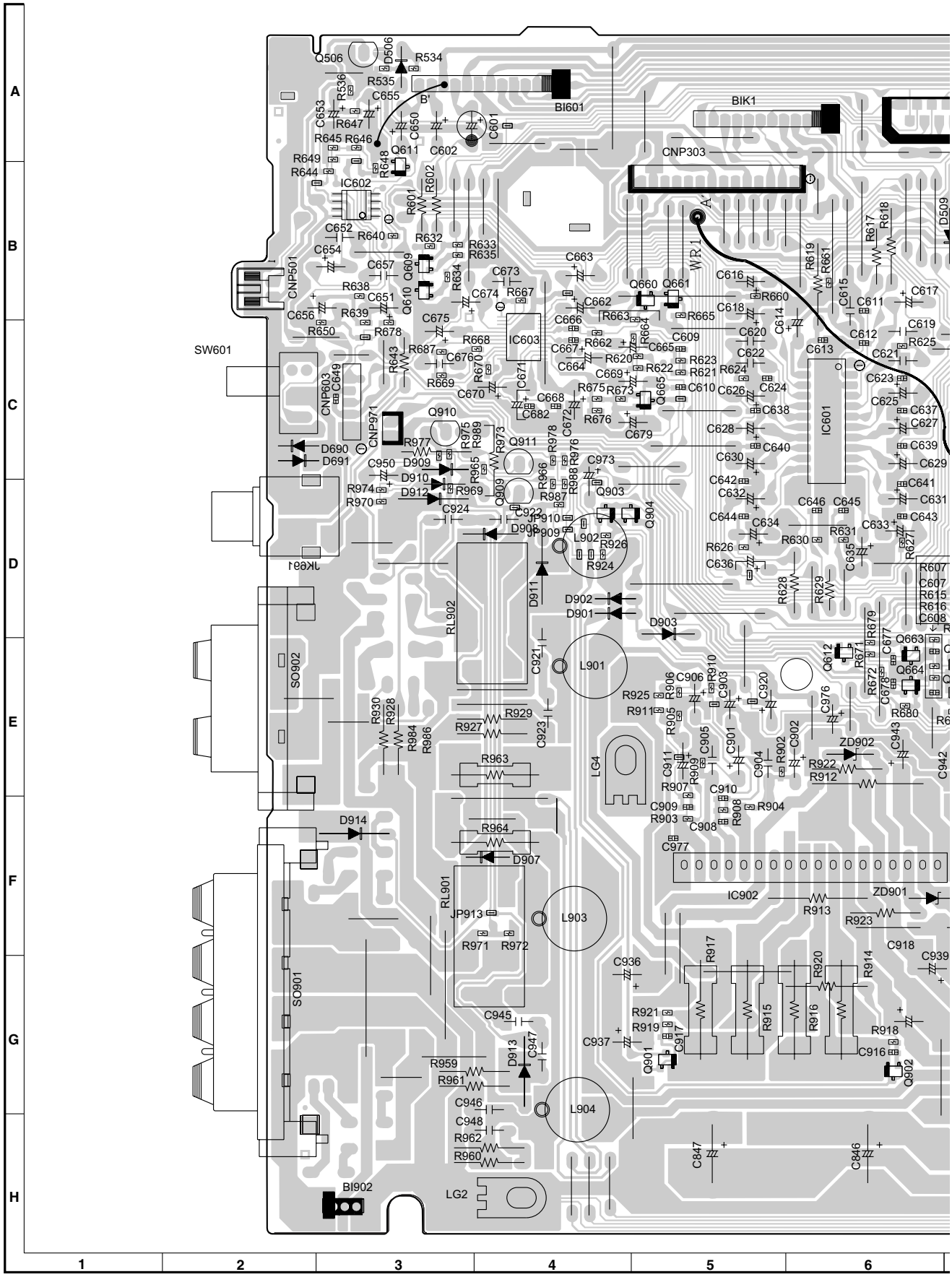


Figure 6-13 WIRING SIDE OF PWB (1/11)

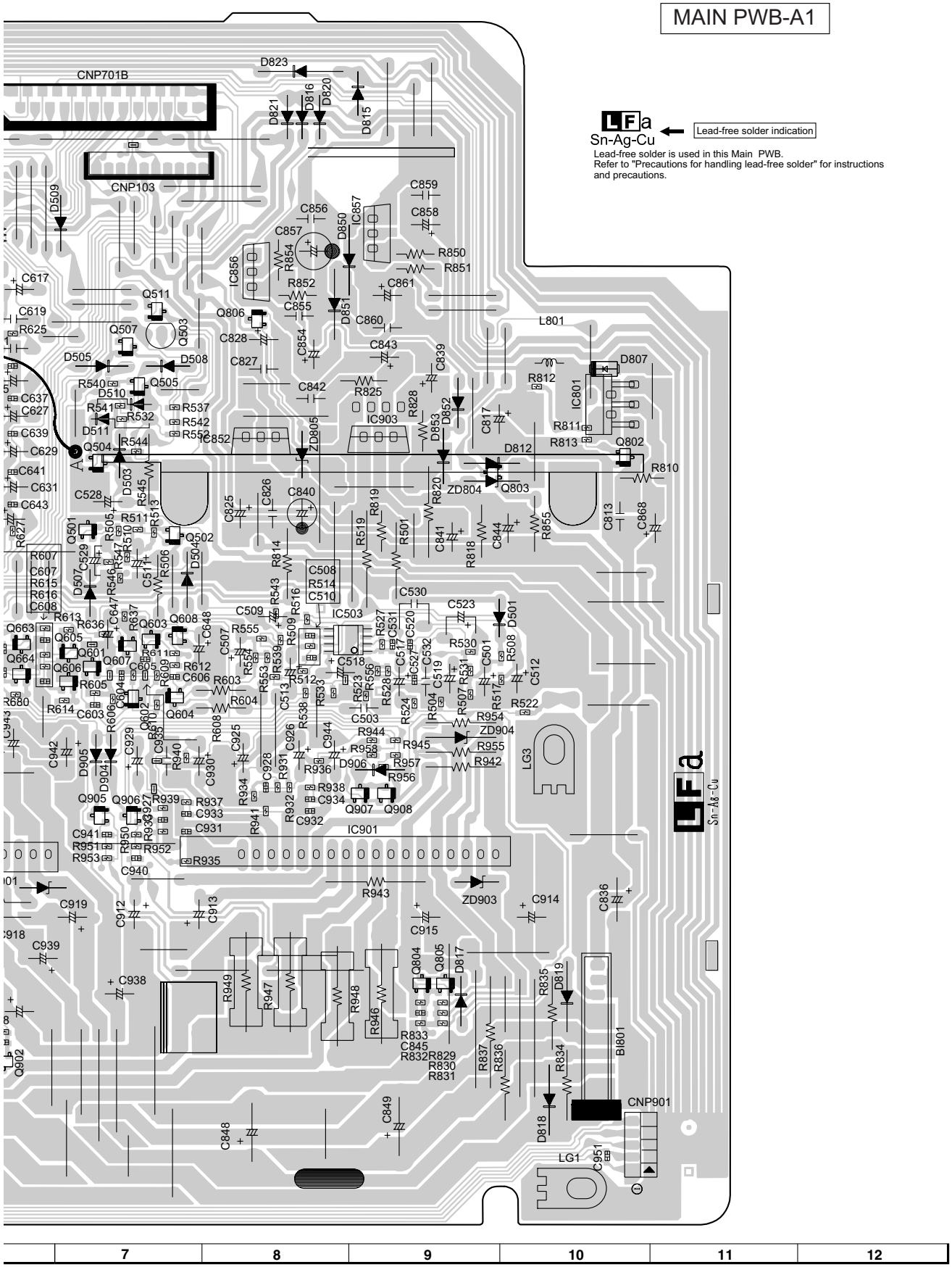


Figure 6-14 WIRING SIDE OF PWB (2/11)

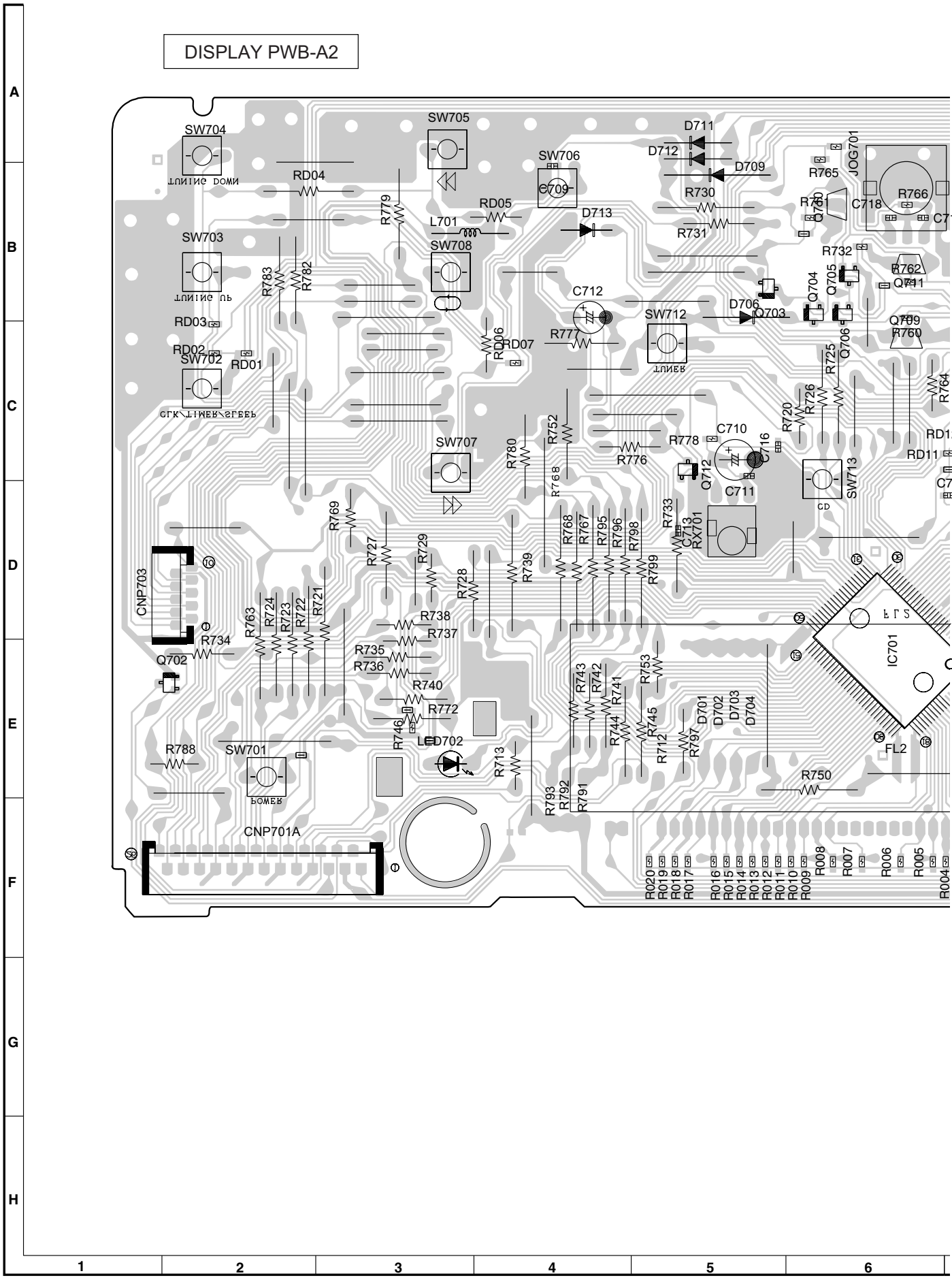
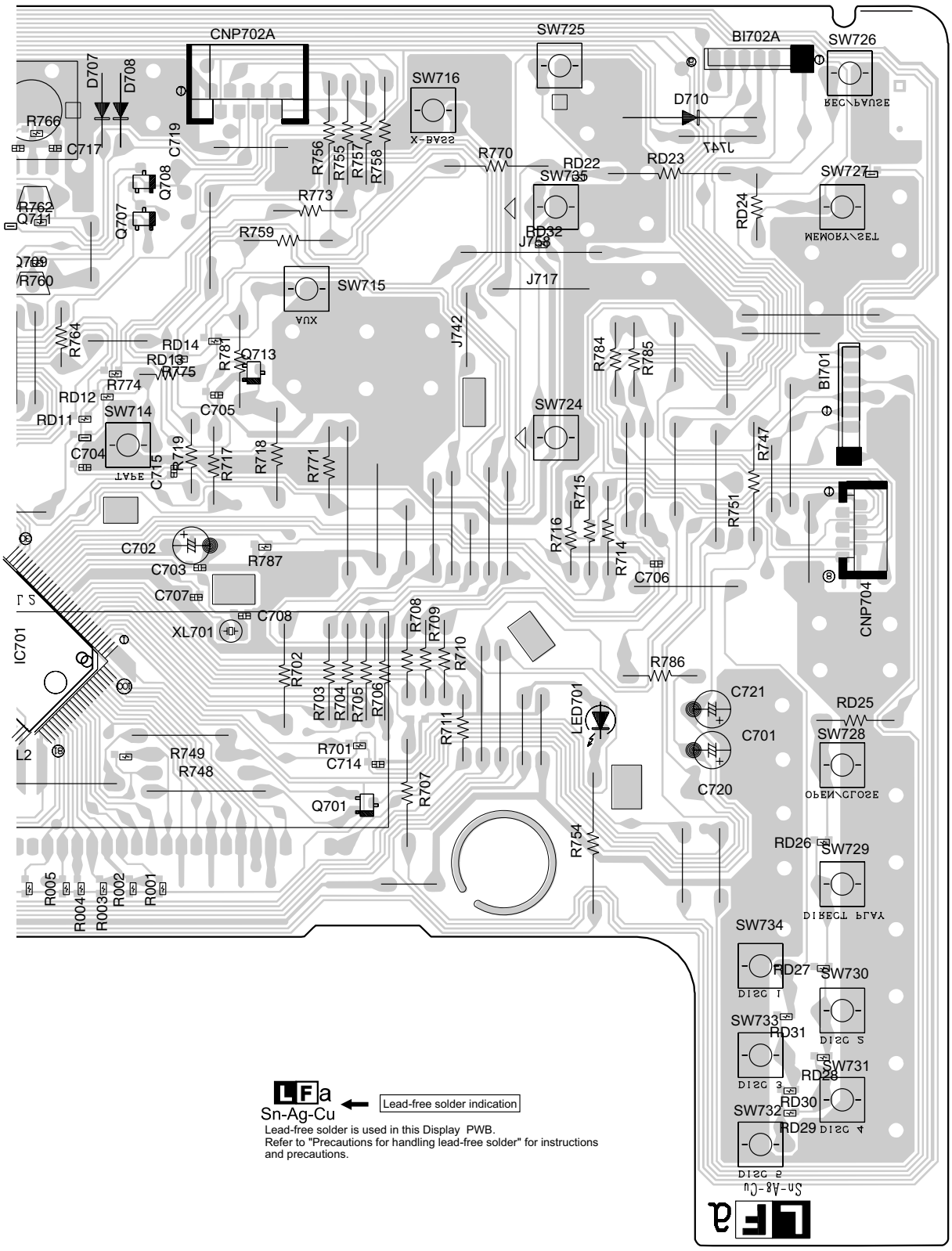


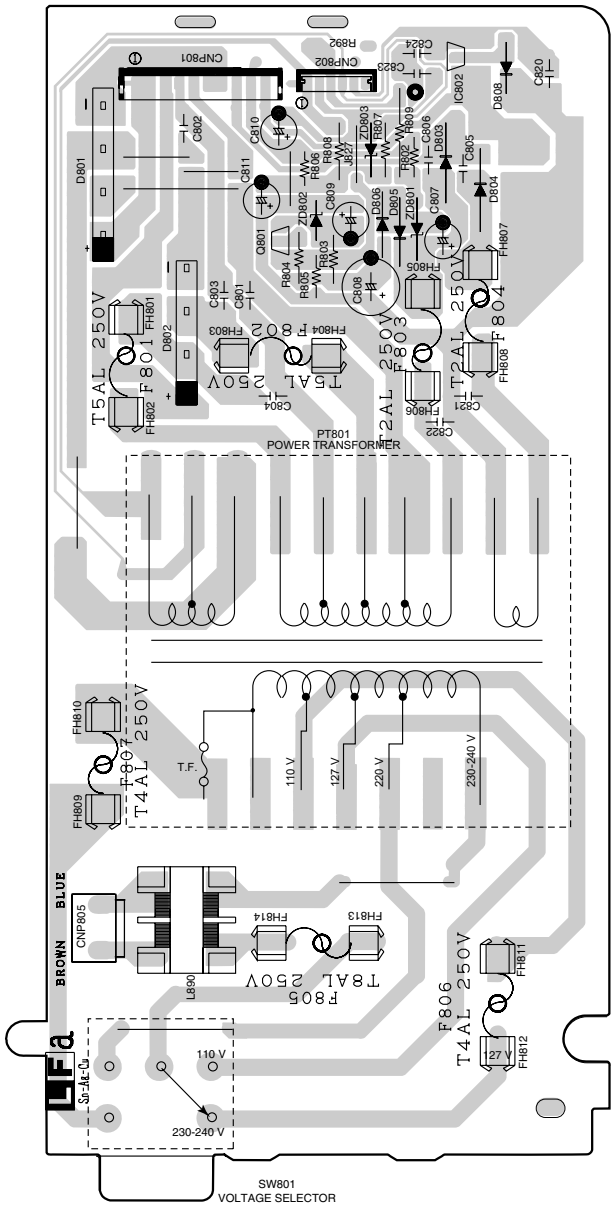
Figure 6-15 WIRING SIDE OF PWB (3/11)



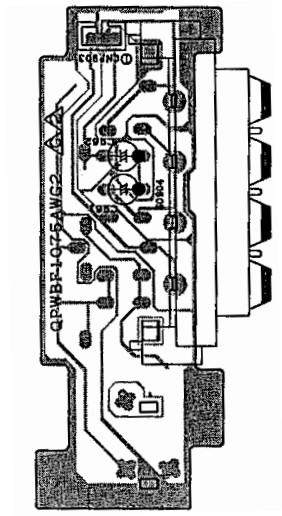
	7	8	9	10	11	12

Figure 6-16 WIRING SIDE OF PWB (4/11)

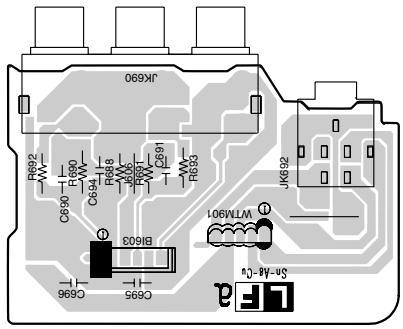
POWER PWB-B1



SURROUND PWB-J



GAME INPUT PWB-B2



LFa Sn-Ag-Cu ← Lead-free solder indication

Lead-free solder is used in this Power/Game Input/Surround PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-17 WIRING SIDE OF PWB (5/11)

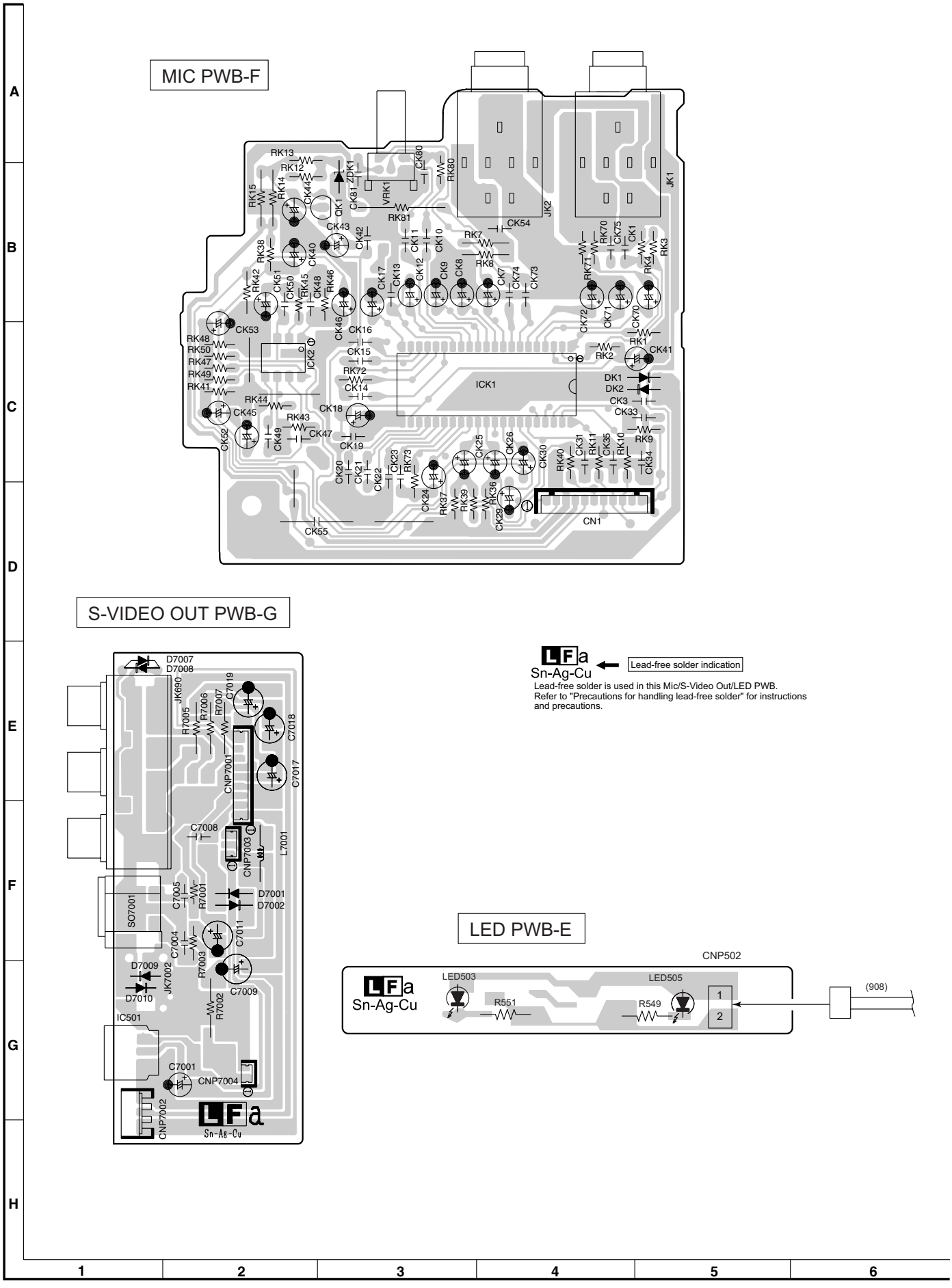


Figure 6-18 WIRING SIDE OF PWB (6/11)

Figure 6-19 WIRING SIDE OF PWB (7/11)

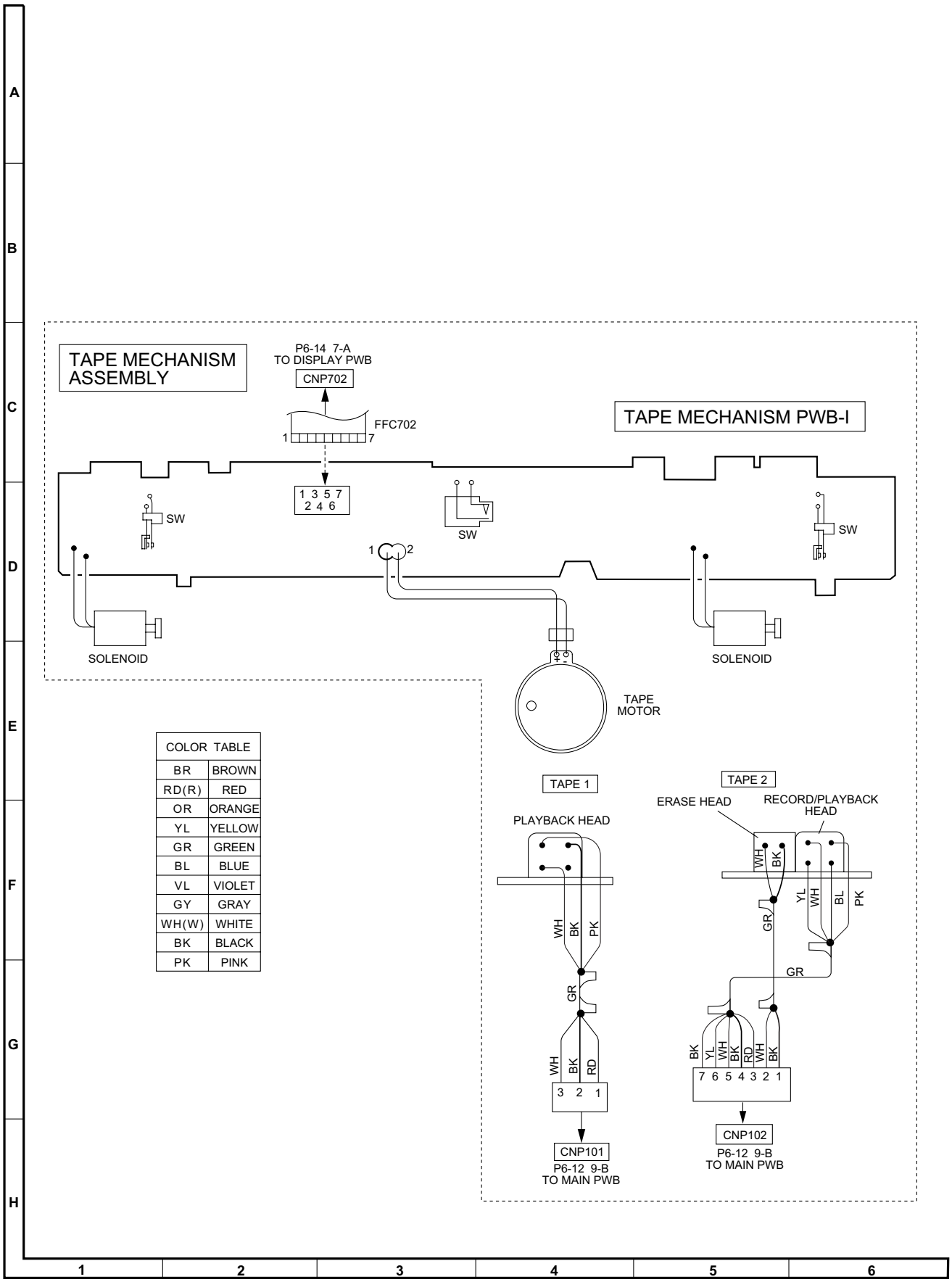
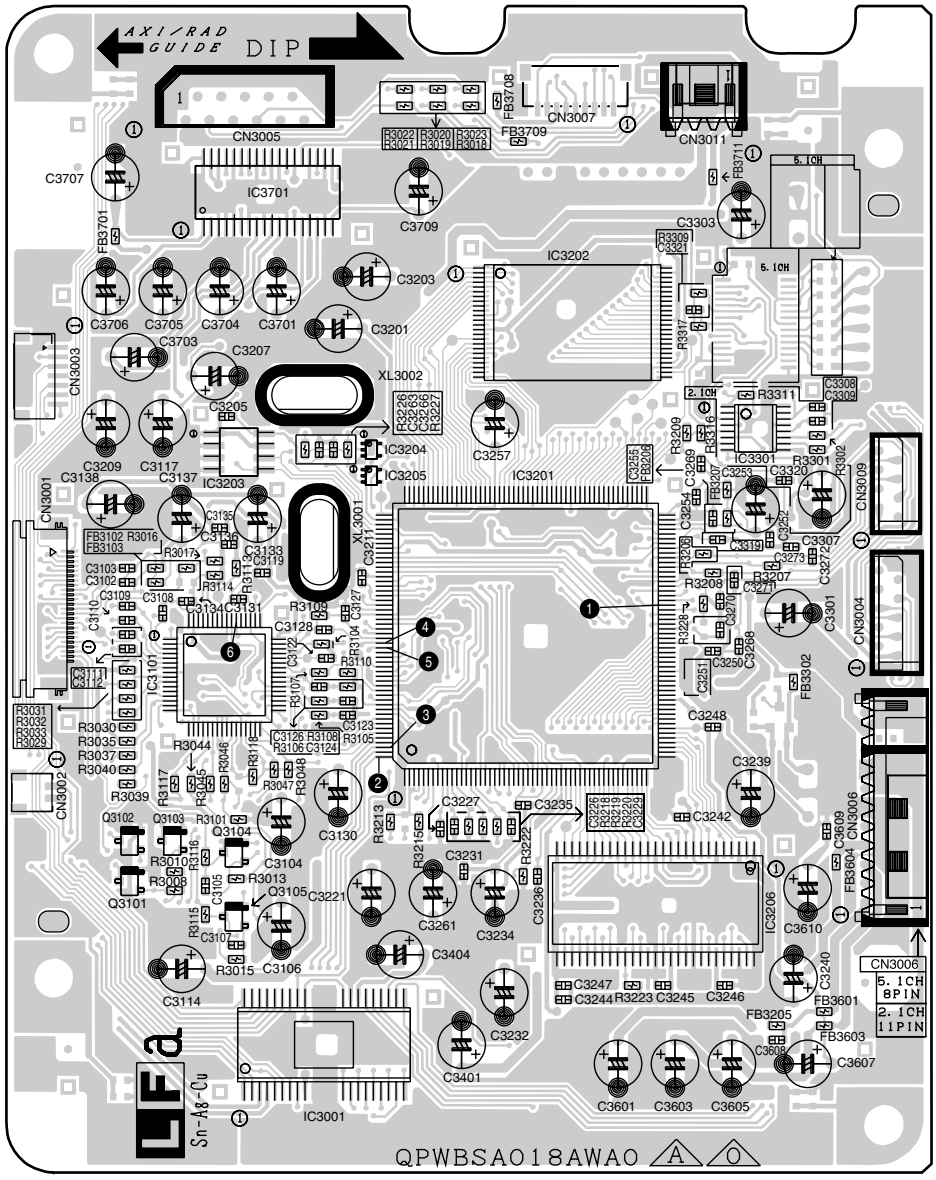


Figure 6-20 WIRING SIDE OF PWB (8/11)

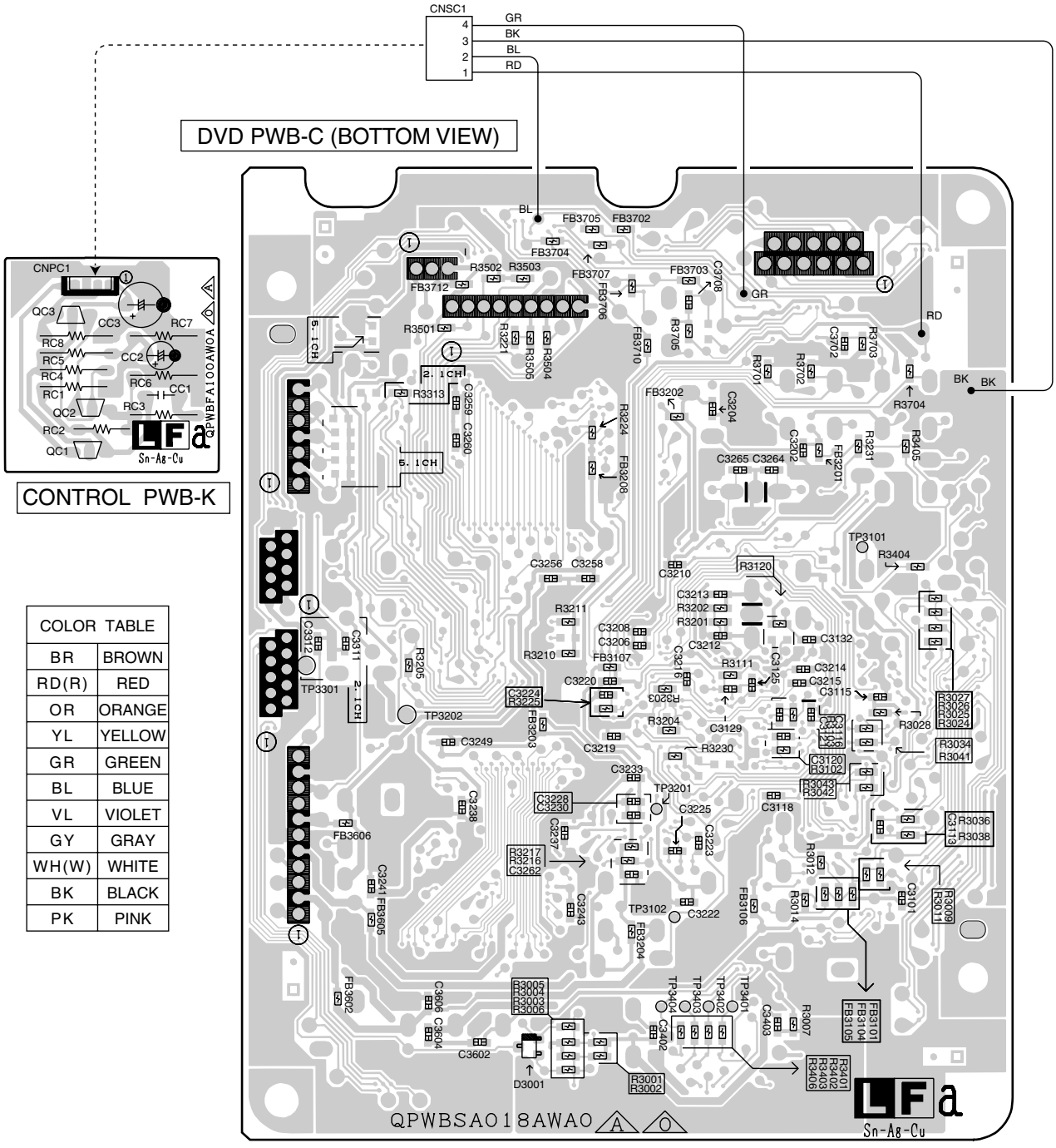
DVD PWB-C (TOP VIEW)



LFa ← Lead-free solder indication

Lead-free solder is used in the DVD.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

Figure 6-21 WIRING SIDE OF PWB (9/11)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

● The numbers ❶ to ❻ are waveform numbers shown in page 5-1

7	8	9	10	11	12

Figure 6-22 WIRING SIDE OF PWB (10/11)

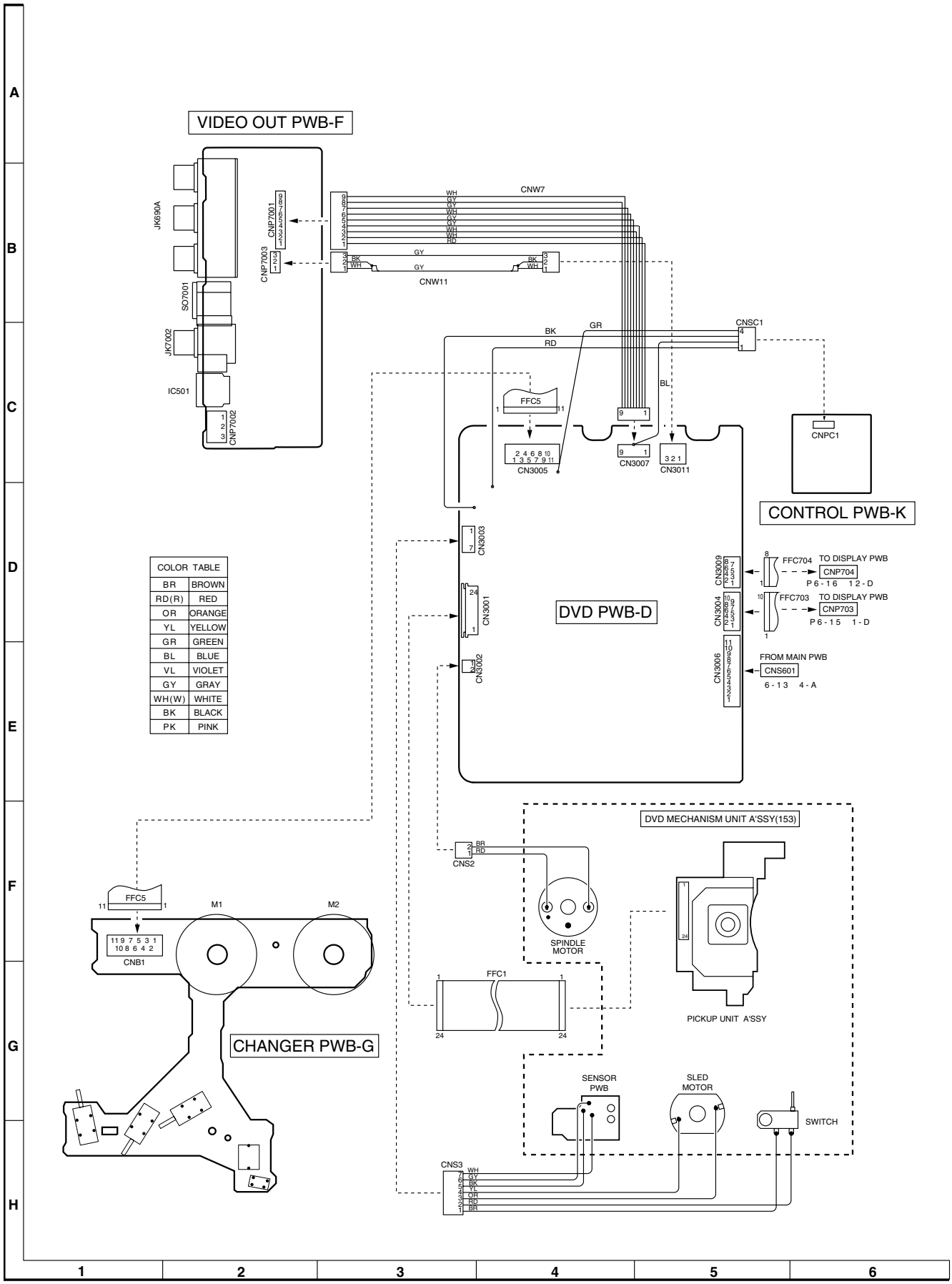


Figure 6-24 WIRING SIDE OF PWB (11/11)

CHAPTER 7. FLOWCHART

[1] Troubleshooting

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

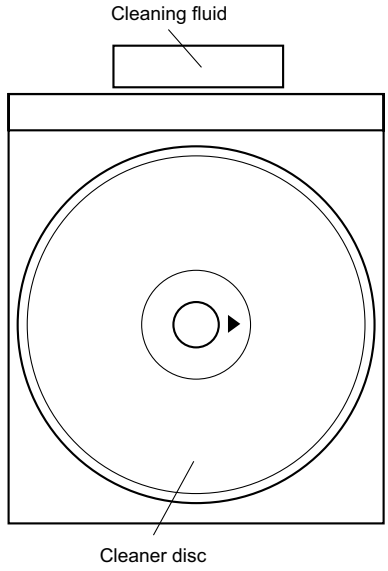
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it still play continuously, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

2. DVD section

• "No Disc" is displayed. (Focus error)

Does the objective lens move up and down after the disc is removed ? (Check the following items.)
→ No: Check circuits around the power supply for pin 2 of IC3101. If no abnormality is detected, replace IC3001.

↓ Yes

Is signal input to pins 4 - 7 of IC3101 ?
→ No: Check connection of optical pickup cables. If no abnormality is detected, replace optical pickup.

↓ Yes

Is focus control signal output from pin 208 of IC3201 ?
→ No: Check circuits around the power supply for pin 165,175 of IC3201. If no abnormality is detected, replace IC3001.

↓ Yes

To 7-2 Page

From 7-1 Page

Is focus control signal output from pin 208 of IC3201 to pin 16 of IC3001 ?

No → Check focus control signal line between IC3201 and IC3001.

Check M7V line.

Yes

Is focus control drive voltage output from pins 1 and 2 of IC3001 ?

No

No → Is voltage of 7 V applied to pin 27 of IC3001 ?

Yes

Check that pin 29 of IC3704 is “H” and replace IC3001.
If pin 29 of IC3001 is “L”, check pin 160 of IC3201.

Yes

Is focus control drive voltage applied to the focus actuator terminal ? (Pin 23 and 24 of CN3001)

No → Check line between IC3001 and focus actuator terminal. Check CN3001.

Yes

Check connection of optical pickup cables.
If no abnormality is detected, replace the optical pickup mechanism unit.

• “No Disc” is displayed during DVD playback (when CD is playable) ... When DVD laser does not light up.

Is control signal output from pin 15 of IC3101 ?

No → Check and replace IC3101.

Yes

Is voltage of 5 V applied to emitter of Q3105 ?

No → Check S5V line.

Yes

Is voltage of approx. 2.3 V supplied to pin 2 of CN3001 ?

No → Check around Q3105 and Q3101.

Yes

Check connection of optical pickup cables.
If no abnormality is detected, replace optical pickup mechanism unit.

Note: The laser diode is easily damaged by static electricity. Carefully check static electricity and electric leak of the measuring instrument.

• "No Disc" is displayed during CD playback (when DVD is playable) ... When CD laser does not light up.

Is control signal output from pin 17 of IC3101 ?
No → Check and replace IC3101.

↓ Yes

Is voltage of 5 V applied to the emitter of Q3104 ?
No → Check S5V line.

↓ Yes

Is voltage of approx. 1.9 V supplied to pin 6 of CN3001 ?
No → Check around Q3102 and Q3104.

↓ Yes

Check connection of optical pickup cables.
If no abnormality is detected, replace optical pickup mechanism unit.

Note: The laser diode is easily damaged by static electricity. Carefully check static electricity and electric leak of the measuring instrument.

• Both video and audio do not operate normally.

Put a disc on the DISC tray.

↓ Yes

Disc normally loaded?
No → Check loading switch.

↓ Yes

Is RF signal level output from pin 17 of CN3001 normal ?
No → Is objective lens of optical pickups clean?
Yes → (return)

↓ Yes

Replace Servo PWB.
No → Replace optical pickup mechanism unit.

↓ Yes

Refer to "Video is not output normally" and "Audio is not output normally".

• Video is not output normally.

Put a disc on the DISC tray.

↓ Yes

Are the video signals input to the pins of CN3007 as shown below ?
CN3007 Pin1 COMP_OUT
CN3007 Pin2 C_OUT
CN3007 Pin3 Y_OUT
CN3007 Pin4 Y/G
CN3007 Pin5 Pb/B
CN3007 Pin6 Pr/R

No →

Check the line between the pins of DVD servo unit IC3701 and the pins of CN3007.
IC3701 Pin 33 to CN3007 Pin 1(COMP_OUT)
IC3701 Pin 31 to CN3007 Pin 2(C_OUT)
IC3701 Pin 28 to CN3007 Pin 3(Y_OUT)
IC3701 Pin 25 to CN3007 Pin 4(Y/G)
IC3701 Pin 23 to CN3007 Pin 5(Pb/B)
IC3701 Pin 21 to CN3007 Pin 6(Pr/R)

↓ Yes

Check or replace DOLBY PWB.

• Audio is not output normally.

Put a disc on the DISC tray.

↓ Yes

Digital sound signal inputted to pins 2,3 and 4 of IC3301?

No →

Check each line between pin 82,83,86 of IC3201 and pin 2,3,4 of IC3301

↓ Yes

Check or replace IC3301

↓ Yes

Check or replace IC3201

CHAPTER 8. OTHERS

[1] Function table of IC

IC701 RH-iXA0067AW00: System Microcomputer (IXA067AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	AVDD	AVDD	Input	Analog Power supply 5 V.
2-4	P10~P12/ ANI0~ANI2	KEY 2-KEY 0	Input	Key 0~2 input.
5	P13/ANI3	VOL_JOG	Input	Volume jog input.
6	P14/ANI4	PROTECT	Input	Power abnormal detect.
7	P15/ANI5	T_FP_SW	Input	Tape Fool Proof A&B SW.
8	P16/ANI6	SPAN	Input	Span Selector Input.
9	P17/ANI7	T_RUN PULS	Input	Tape Run Pulse detect.
10	P00/ANI8	DISC/CLAMP_SW	Input	CD Mecha Disc & Clamp SW.
11	P01/ANI9	TRAY_SW1&2	Input	CD Mecha Tray SW 1&2.
12	P02/ANI10	DVD+B PRT	Input	DVD Power Supply Abnormal detect.
13*	P03/ANI11	NO USE	Input	Connect to Ground.
14	AVSS	AVSS	—	Analog ground.
15	VSS1	VSS	—	Ground voltage
16	X1	XIN	Input	Main Clock input
17	X2	XOUT	Output	Main Clock output.
18	VDD1	VDD	Input	Power supply.
19	VPP	VPP	—	Connect to GND.
20*	P20	NO USE	Output	Open.
21	P25/SI0	DVD DATA	Input	DVD Data input.
22	P26/SO0	SYS DATA	Output	System Data output.
23	P27/SCK0	DVD CLK	Input	DVD Clock Input.
24	P67/INTP2	P_IN	Input	Power failure detect.
25	P66/TIO51	PHOTO	Input	CD Mecha Photo SW.
26	P65/INTP1	SP_DET	Input	Speaker abnormal detect.
27	P64/INTP0	REMOCON	Input	Remocon input.
28	P63/TIO50	CE	Output	Tuner/Vol Chip Enable.
29	P62/SCK1	CLK	Output	Tuner Vol Clock.
30	P61/SO1	DI	Output	Tuner /Vol Data Output.
31	P60SI1	DO	Input	Tuner Data input.
32	P57/SCK2	DVD CS	Output	DVD Chip Select.
33	P56/SO2	DVD Reset	Output	DVD Reset.
34*	P55SI2	NO USE	Output	Open.
35	P54	TIMER LED	Output	Timer LED.
36	P53	S_MUTE	Output	System mute control.
37	P52	T_SOL_B	Output	Tape solenoid B control.
38	P51	T_MOTOR	Output	Tape motor control.
39	P50	T_SOL_A	Output	Tape solenoid A control.
40	VSS0	VSS	—	Ground voltage.
41	VDD0	VDD	Input	Power supply.
42	RESET	RESET	Input	Reset.
43	P47	ILLU_LED	Output	FL Edge Light Control.
44	P46	NS_SW2	Output	New sound mode SW2.
45	P45	NS_SW1	Output	New sound mode SW1.
46	P44	KARA_LATCH	Output	Karaoke Latch.
47	P43	MIC SW	Input	Mic SW Input.
48*	P42	NO USE	Output	Open.
49	P41	SP_LED	Output	Speaker LED.
50	P40	DIST	Input	Destination input.
51	P107/FIP47	T_BIAS	Output	Tape bias control.
52	P106/FIP46	T_REC/PLAY	Output	Tape REC/PLAY control.
53	P105/FIP45	T_T1/T2	Output	Tape 1/2 control.
54	P104FIP44	-20dBATT	Output	-20dB Attenuation Control.
55	P103/FIP43	SP_RLY	Output	Speaker relay control.
56	P102/FIP42	AC_RLY	Output	AC Relay control.
57	P101/FIP41	VIDEO MUTE	Output	Video Mute Control.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA067AW00: System Microcomputer (IXA067AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
58	P100/FIP40	FUNC DVD	Output	DVD Unit Power Control.
59	P97/FIP39	DISC TYPE	Output	Disc Type Monitor.
60	P96/FIP38	DVD MUTE	Input	DVD Mute Input.
61	P95/FIP37	MO_SPEED	Output	Tray Motor Speed Control.
62	P94/FIP36	MOT B-	Output	Tray Motor (-).
63	P93/FIP35	MOT B+	Output	Tray Motor (+).
64	P92/FIP34	MOT A-	Output	Cam Motor (-).
65	P91/FIP33	MOT A+	Output	Cam Motor (+).
66*	P90/FIP32	NO USE	Output	Open.
67*	P84/FIP31	NO USE	Output	Open.
68	FIP30	S20/DEST 1	Output	FL segment driver/Destination Input.
69	FIP29	S29/DEST 2	Output	FL segment driver/Destination Input.
70	FIP28	S18/DEST 3	Output	FL segment driver/Destination Input.
71	FIP27	S17/DEST 4	Output	FL segment driver/Destination Input.
72~78	FIP26-FIP20	S16~S10	Output	FL segment driver.
79	VDD	VDD	Input	Power supply.
80	VLOAD	VLOAD	Input	VLOAD -35V.
81-89	FIP19-FIP11	S9~S1	Output	FL Segment driver.
90-100	FIP10-FIP0	G11~G1	Output	FL Grid driver.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

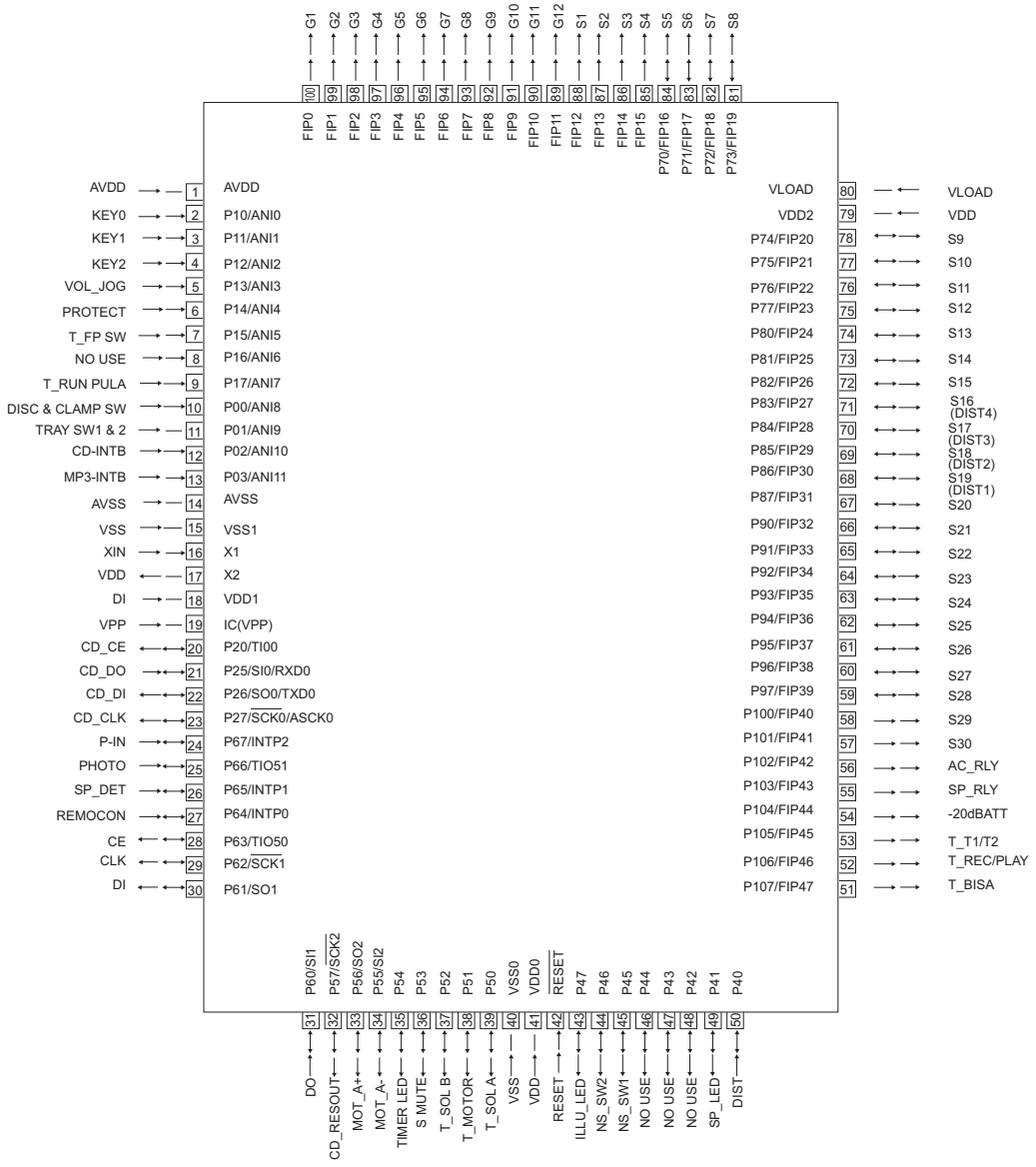


Figure 8-1 BLOCK DIAGRAM OF IC

IC903 VHiAN80T53/-1: Multi Regulator (AN80T53)

Pin No.	Terminal Name	Function
1	REG4 Output	5.1V power supply with a minimum peak out current of 1200mA.
2	REG3 Output	13V power supply with a minimum peak out current of 1350mA.
3	VCC	Connected to Power supplies.
4	GND	Connected to the IC substrate.
5	MODE 1	REG1, REG2,REG3 and REG4 outputs are turned ON when this pin is 5V.
6	REG2 Output	10V power supply with a minimum peak out current of 800mA.
7	REG1 Output	8.5V power supply with a minimum peak out current of 700mA.

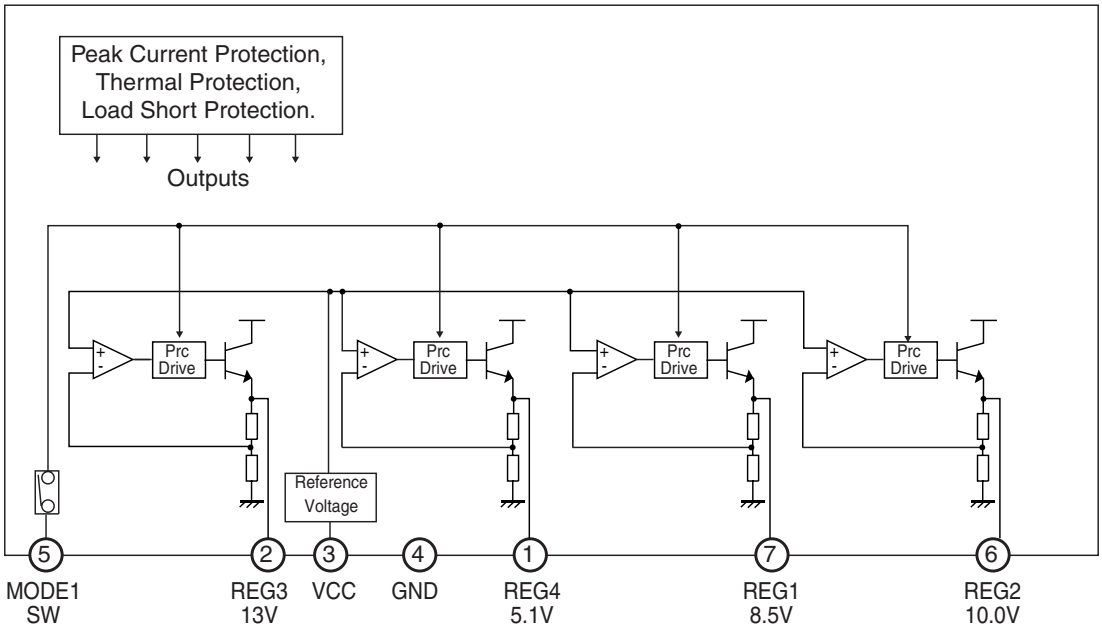


Figure 8-2 BLOCK DIAGRAM OF IC

IC3001 VHiLA6261//-1: Focus/Tracking/Spin/Sled Driver (LA6261)

Pin No.	Terminal Name	Function
1	VO3+	BTL Output pin (+) for channel 3.
2	VO3-	BTL Output pin (-) for channel 3.
3	VO2+	BTL Output pin (+) for channel 2.
4	VO2-	BTL Output pin (-) for channel 2.
5	VO1+	BTL Output pin (+) for channel 1.
6	VO1-	BTL Output pin (-) for channel 1.
7	PGND1	Power GND for channels 1,2,3 and 4 (BTL).
8*	REGIN	Regulator pin (External PNP base).
9	PVCC1	Power for channels 1,2,3 and 4 (BTL). (SVCC short-crircuited)
10*	REGOUT	Regulator pin (External PNP collector).
11*	VIN1	Input pin for channel 1
12	VIN1G	Input pin for channel 1 (for gain control)
13*	VIN2	Input pin for channel 2
14	VIN2G	Input pin for channel 2 (for gain control)
15*	VIN3	Input pin for channel 3
16	VIN3G	Input pin for channel 3 (for gain control)
17*	VIN4	Input pin for channel 4
18	VIN4G	Input pin for channel 4 (for gain control)
19	FWD5	CH5 Output change pin (FWD). Logic input for bridge.
20	REV5	CH5 Output change pin (REV). Logic input for bridge.
21	VCONT5	Input pin for CH5 output voltage control
22	FWD6	CH6 Output change pin (FWD). Logic input for bridge.
23	REV6	CH6 Output change pin (REV). Logic input for bridge.
24	VCONT6	Input pin for CH5 output voltage control.
25	VREFIN	Reference voltage input pin.
26	SGND	Signal system GND
27	SVCC	Signal system power (PVCC1 short - circuited)
28	PVCC2	Power for channel 5 and 6 (H bridge).
29	MUTE	Input pin for BTL mute.
30	PGND2	Power GND for channels 5 and 6 (H bridge).
31	VO6+	H bridge Output pin (+) for channel 6.
32	VO6-	H bridge Output pin (-) for channel 6.
33	VO5+	H bridge Output pin (+) for channel 5.
34	VO5-	H bridge Output pin (-) for channel 5.
35	VO4+	BTL Output pin (+) for channel 4.
36	VO4-	BTL Output pin (-) for channel 4.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

* Set power system GND to the minimum potential together with SGND

* Short-circuit three pins of power system SVSS and PVCC1 externally before use.

IC3001 VHiLA6261//-1: Focus/Tracking/Spin/Sled Driver (LA6261)

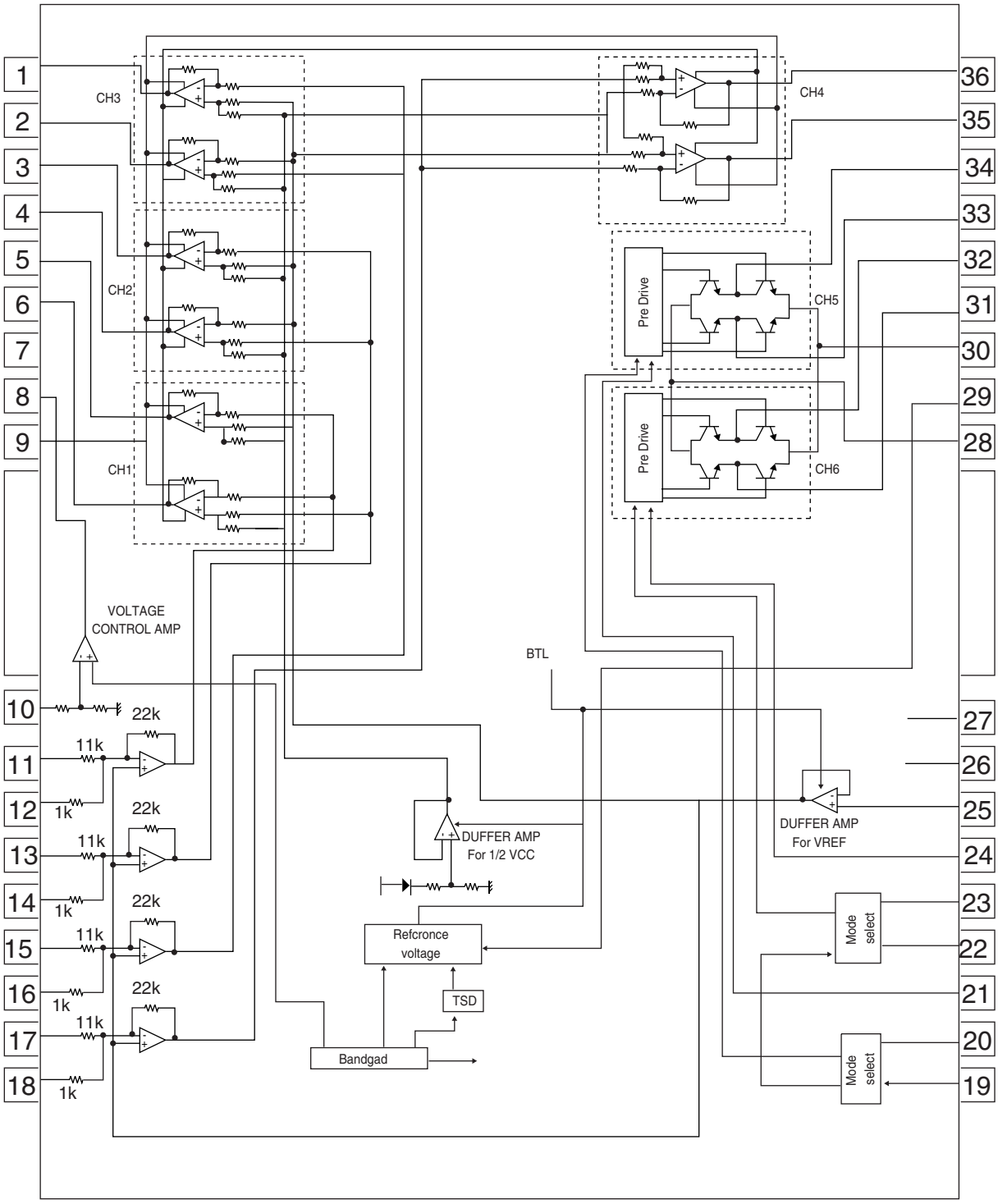


Figure 8-3 BLOCK DIAGRAM OF IC

IC3101 VHiLA9703W/-1:DVD Player Front End Processor (LA9703W)

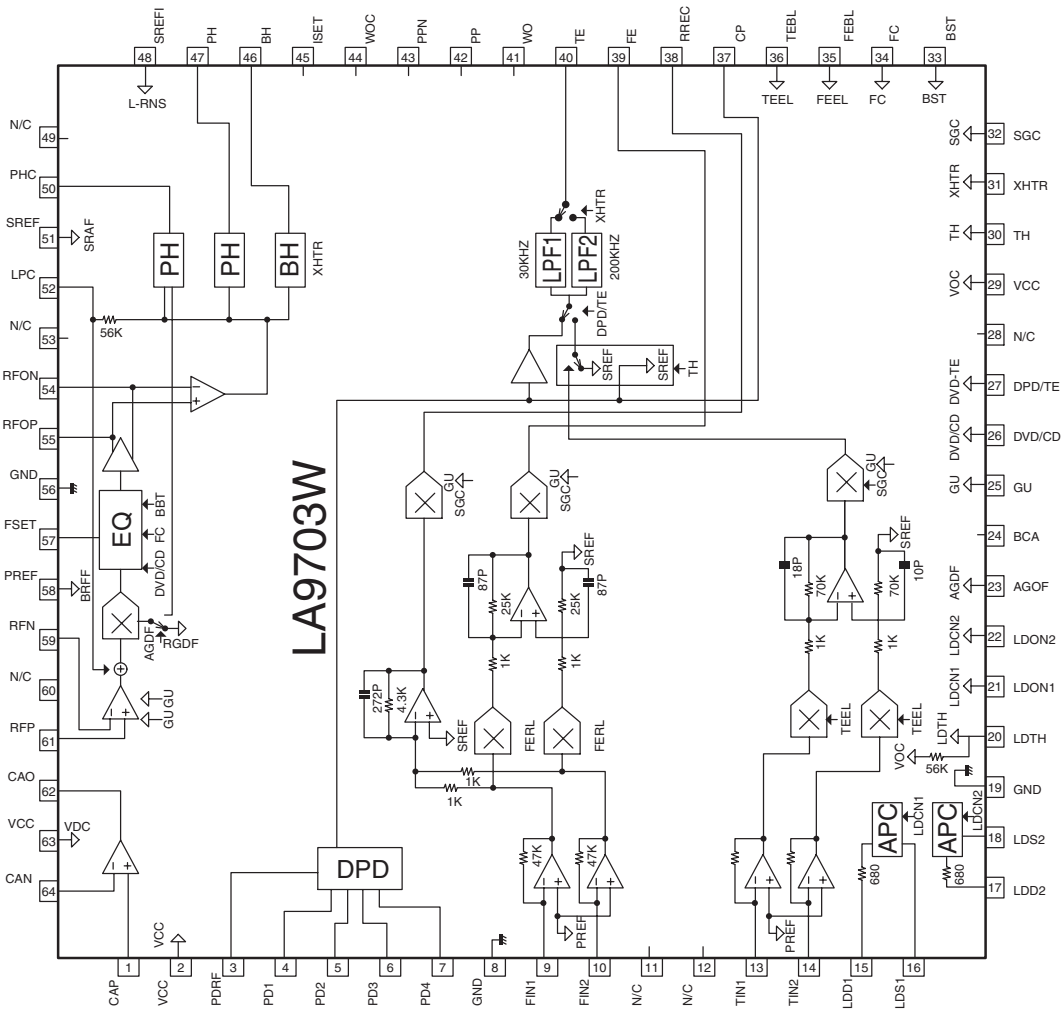


Figure 8-4 BLOCK DIAGRAM OF IC

IC3201 VHiLC74230HNW: Single Chip LSI For DVD (LC74230HNW)

Block	Pin No.	Terminal Name	I/O	Function
Power	1	DVSS	-	Digital GND
EFM PLL	2	VCOCTL	I	VCO filter connection pin
	3	PPD0	O	Phase comparison filter connection pin
	4	FPD0	O	Frequency comparison filter connection pin
	5	LF1	O	Filter connection pin 1
	6	LF2	O	Filter connection pin 2
Power	7	AVDD18	-	Analog power supply(1.8V)
EFM PLL	8*	PSN	O	Voltage monitor pin (PCH control pin for phase comparison charge pump)
	9	PISET	I	Voltage set pin for phase comparison charge pump
	10	FISET	I	Voltage set pin for frequency comparison charge pump
	11	CDFR	I	VCO oscillation range set pin for EFM replay PLL [for CD]
	12	DVDFR	I	VCO oscillation range set pin for EFM replay PLL [for DVD]
Power	13	AVDD_FE	-	Analog power supply
	14	AVSS_FE	-	Analog GND
JV	15	JVCPI	I	For JV
	16	JVCPC	O	For JV
	17	JVAO	O	Jitter output pin for EFM replay PLL clock
	18	JVAIN	I	For JV
	19*	JVRVO	O	For JV (normally open)
Power	20	AVDD_FE	-	Analog power supply
	21	AVSS_FE	-	Analog GND
	22	DVSS	-	Digital GND
	23	DVDD18	-	Digital power supply (1.8V)
	24	DACAVSS	-	Analog GND for video DAC
Video DAC	25	VOUT	O	Composite video image output for Video DAC
Power	26	DACAVDD33	-	Analog power supply (3.3V) for Video DAC
Video DAC	27	BOUT	O	Video DAC-B signal output
Power	28	DACAVSS	-	Analog GND for Video DAC
Video DAC	29	GOUT	O	Video DAC-G signal output
Power	30	DACAVDD33	-	Analog power supply (3.3V) for Video DAC
Video DAC	31	ROUT	O	Video DAC-R signal output
	32	COMP	I/O	Video DACCOMP pin
	33	RSET	I/O	Video DACRSET pin
Power	34	DACDVSS	-	Digital GND for Video DAC
Video DAC	35	VREF	I/O	Video DACVREF pin
Power	36	DACDVDD18	-	Analog power supply (1.8V) for Video DAC
SDRAM I/F	37	SDADD3	Oz	SDRAM address output (3)
	38	SDADD2	Oz	SDRAM address output (2)
	39	SDADD1	Oz	SDRAM address output (1)
	40	SDADD0	Oz	SDRAM address output (0)
	41	SDADD10	Oz	SDRAM address output (10)
	42	SDBA1	Oz	SDRAM bank-switch output (1)
	43	SDBA0	Oz	SDRAM bank-switch output (0)
	44	SDCSB	Oz	SDRAM chip-select output
	45	SDRASB	Oz	SDRAM RAS output
	46	SDCASB	Oz	SDRAM CAS output
Power	47	DVDD33	-	Digital power supply (3.3V)
SDRAM I/F	48	SDWEB	Oz	SDRAM write-enable output
	49	DQML	Oz	SDRAM DQML output
	50	SDATA7	I/O	SDRAM data input/output (7)
	51	SDATA6	I/O	SDRAM data input/output (6)
	52	SDATA5	I/O	SDRAM data input/output (5)
Power	53	DVSS	-	Digital GND
SDRAM I/F	54	SDATA4	I/O	SDRAM data input/output (4)
	55	SDATA3	I/O	SDRAM data input/output (3)

Block	Pin No.	Terminal Name	I/O	Function
	56	SDATA2	I/O	SDRAM data input/output (2)
SDRAM I/F	57	SDATA1	I/O	SDRAM data input/output (1)
	58	SDATA0	I/O	SDRAM data input/output (0)
Power	59	DVDD33	-	Digital power supply (3.3V)
SDRAM I/F	60	SDATA15	I/O	SDRAM data input/output (15)
	61	SDATA14	I/O	SDRAM data input/output (14)
	62	SDATA13	I/O	SDRAM data input/output (13)
	63	SDATA12	I/O	SDRAM data input/output (12)
	64	SDATA11	I/O	SDRAM data input/output (11)
Power	65	DVDD18	-	Digital power supply (1.8V)
SDRAM I/F	66	SDATA10	I/O	SDRAM data input/output (10)
	67	SDATA9	I/O	SDRAM data input/output (9)
	68	SDATA8	I/O	SDRAM data input/output (8)
	69	DQMH	Oz	SDRAM DQMH output
	70	SDCLK	Oz	SDRAM clock output
Power	71	DVSS	-	Digital GND
SDRAM I/F	72	SDADD11	Oz	SDRAM address output (11)
	73	SDADD9	Oz	SDRAM address output (9)
	74	SDADD8	Oz	SDRAM address output (8)
	75	SDADD7	Oz	SDRAM address output (7)
	76	SDADD6	Oz	SDRAM address output (6)
Power	77	DVDD18	-	Digital power supply (1.8V)
SDRAM I/F	78	SDADD5	Oz	SDRAM address output (5)
	79	SDADD4	Oz	SDRAM address output (4)
TEST	80	TEST0	I	Test pin (0) *must be fixed to L
Audio DAC	81	DAXCK	O	SYS clock-output for audio DAC
	82	DABCK	O	Bit clock-output for audio DAC
	83	DALRCK	O	LR clock-output for audio DAC
Power	84	DVDD33	-	Digital power supply (3.3V)
Audio DAC	85	DAIEC	O	Audio IEC output
	86	ADATA0	O	Audio data output (0)
	87*	ADATA1	O	Audio data output (1)
	88*	ADATA2	O	Audio data output (2)
	89*	ADATA3	O	Audio data output (3)
Power	90	DVSS	-	Digital GND
General port	91	RXD	I/O	UART/general input/output
	92	TXD	I/O	UART/general input/output
	93	SI	I/O	Serial data input/general input/output
	94	SO	I/O	Serial data input/general input/output
	95	SCLK	I/O	Serial clock output/general input/output
	96	ADACCSB	I/O	Audio DAC chip select/general input/output
Power	97	DVDD18	-	Digital power supply (1.8V)
ARM	98	TCK	I	ARM JTAG
	99	TDI	I	ARM JTAG
	100*	TDO	O	ARM JTAG
PLL	101	P1AVDD18	-	PLL1 analog power supply (1.8V)
	102	P1AVSS	-	PLL1analog GND
	103	P1DVSS	-	PLL1 digital GND
	104	P1DVDD18	-	PLL1 digital power supply (1.8V)
ARM	105	TRST	I	ARM JTAG
	106	TMS	I	ARM JTAG
RESET	107	ZRESET	Is	System hardware reset input
Memory	108	RCSB	I/O	External bus chip-select (for program memory)
	109	RWRB	I/O	External bus write-control
	110	RRDB	I/O	External bus read-control
	111	RADD16	Oz	External bus address output 16
	112	RDATA15	I/O	External bus data input/output 15

Block	Pin No.	Terminal Name	I/O	Function
Power	113	DVSS	-	Digital GND
Memory	114	RDATA7	I/O	External bus data input/output 7
	115	RDATA14	I/O	External bus data input/output 14
	116	RDATA6	I/O	External bus data input/output 6
	117	RDATA13	I/O	External bus data input/output 13
	118	RDATA5	I/O	External bus data input/output 5
	119	RDATA12	I/O	External bus data input/output 12
	120	RDATA4	I/O	External bus data input/output 4
Power	121	DVDD18	-	Digital power supply (1.8V)
Memory	122	RDATA11	I/O	External bus data input/output 11
	123	RDATA3	I/O	External bus data input/output 3
	124	RDATA10	I/O	External bus data input/output 10
	125	RDATA2	I/O	External bus data input/output 2
	126	RDATA9	I/O	External bus data input/output 9
	127	RDATA1	I/O	External bus data input/output 1
	128	RDATA8	I/O	External bus data input/output 8
Power	129	DVSS	-	Digital GND
Memory	130	RDATA0	I/O	External bus data input/output 0
	131	RADD0	I/O	External bus address output 0
	132	RADD1	I/O	External bus address output 1
	133	RADD2	I/O	External bus address output 2
	134	RADD3	I/O	External bus address output 3
	135	RADD4	I/O	External bus address output 4
	136	RADD5	I/O	External bus address output 5
Power	137	DVDD33	-	Digital power supply (3.3V)
Memory	138	RADD6	I/O	External bus address output 6
	139	RADD7	I/O	External bus address output 7
	140	RADD17	Oz	External bus address output 17
	141	RADD18	Oz	External bus address output 18
	142	RADD19	I/O	External bus address output 19/DSL
	143	RADD8	I/O	External bus address output 8
	144	RADD9	I/O	External bus address output 9
Power	145	DVSS	-	Digital GND
Memory	146	RADD10	Oz	External bus address output 10
	147	RADD11	Oz	External bus address output 11
	148	RADD12	Oz	External bus address output 12
	149	RADD13	Oz	External bus address output 13
	150	RADD14	Oz	External bus address output 14
	151	RADD15	Oz	External bus address output 15
TEST	152	TEST1	I	Test pin (1) *must be fixed to L
Power	153	P2DVDD18	-	PLL2 power supply (1.8V)
	154	P2DVSS	-	PLL2GND
	155	P2AVDD33	-	PLL2 power supply (3.3V)
	156	P2AVSS	-	PLL2 analog ground
PLL	157	X54I	I	System clock input
Power	158	DVSS	-	Digital GND
General port	159	GP0	I/O	General I/O (ARMP50), FGI
	160	GP1	I/O	General I/O (ARMP51)
	161	GP2	I/O	General I/O (ARMP52)
	162	GP3	I/O	General I/O (ARMP53)
	163	GP4	I/O	General I/O (ARMP1C)
Power	164	DVDD18	-	Digital power supply (1.8V)
General port	165	GP5	I/O	General I/O (ARMP1D)
	166	GP6	I/O	General I/O (ARMP1E)
	167	GP7	I/O	General I/O (ARMP1F)
	168	GP8	Is/O	General I/O (ARMEXT2IRQ)
	169	GP9	Is/O	General I/O (ARMEXT3IRQ)
Power	170	DVSS	-	Digital GND

Block	Pin No.	Terminal Name	I/O	Function
General port	171	GP10	I/O	General I/O (ARMCS2)
	172	GP11	I/O	General I/O (ARMCS3)
	173	GP12	I/O	General I/O (system decoder), DFECTO
General port	174	GP13	I/O	General I/O (system decoder), RFP1
Power	175	DVDD33	-	Digital power supply (3.3V)
PLL	176	X33I	I	Oscillator input at 33 MHz
	177	X33O	O	Oscillator output at 33 MHz
Power	178	DVSS	-	Digital GND
A/D	179	AD0	I	Servo ADADO
	180	JV	I	Servo ADJV
	181	RREC	I	Servo AD RREC
	182	RF_PH	I	Servo AD RF PH
	183	RF_BH	I	Servo AD RF BH
	184	TE	I	Servo ADTE
	185	FE	I	Servo AD FE
SLC	186	EFMINP	I	EFM or EMF and positive input pin
	187	EFMINN	I	EFM and negative input pin
	188	SLCPLPFO	O	For SLC
	189	SLCPLPFI	I	For SLC
	190	SLCO1	O	For SLC
	191	SLCO2	O	For SLC
POWER	192	AVDD_FE	-	Front analog power supply
	193	AVSS_FE	-	Front analog GND
CMP	194	BHC	I	Comparator input pin (RFBH pin, C-coupled)
	195	WO	I/O	Comparator input pin (backup)
	196	TEC	I	Comparator input pin (TE pin, C-coupled)
D/A	197	VRFF_FE	O	Reference voltage for servo D/A
	198	TSTD1	O	Servo D/A
	199	TSTD0	O	Servo D/A
	200	F0	O	Servo D/A
	201	BST	O	Servo D/A
	202	TBAL	O	Servo D/A
	203	FBAL	O	Servo D/A
	204	SGC	O	Servo D/A
	205	SLDO	O	Servo D/A
	206	SPDO	O	Servo D/A
	207	TDO_FE	O	Servo D/A
	208	FDO	O	Servo D/A

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3201 VHiLC74230HNW: Single Chip LSI For DVD (LC74230HNW)

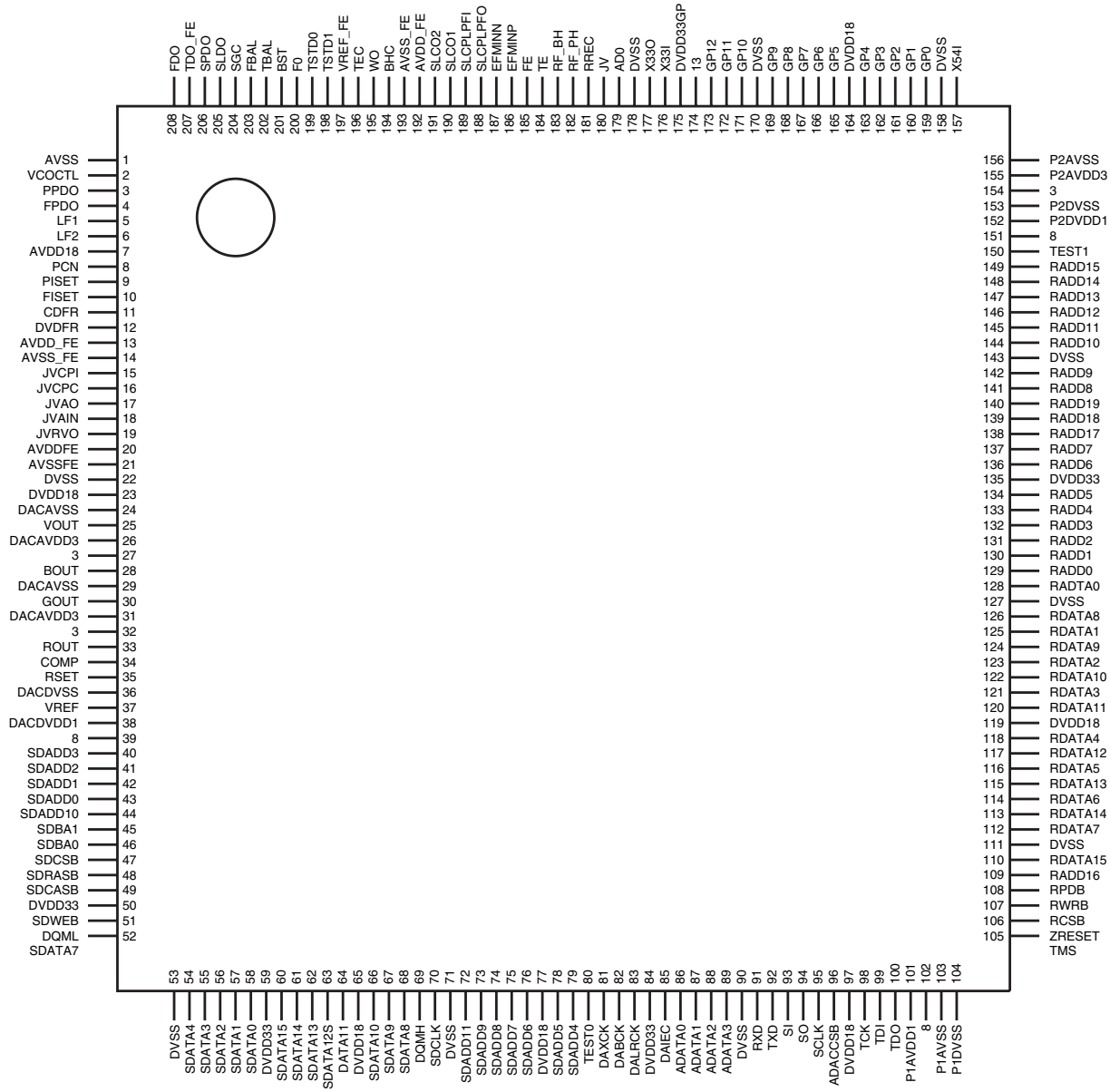


Figure 8-5 BLOCK DIAGRAM OF IC

IC3202 VHiEN29LV800B:Flash ROM (EN29LV800B)

Pin No.	Pin name	Function
1~9,16~25	A0-A19	Addresses
29~36,38~44	DQ0-DQ14	15 Data Inputs/Outputs
45	DQ15/A-1	DQ15 (data input/output, word mode), A-1 (LSB address input, byte mode)
26	CE#	Chip Enable
28	OE#	Output Enable
12	RESET#	Hardware Reset Pin
15*	RY/BY#	Ready/Busy Output
11	WE#	Write Enable
37	Vcc	Supply Voltage (2.7-3.6V)
27,46	Vss	Ground
10*,13*	NC	Not Connected to anything
47	BYTE#	Byte/Word Mode
14	WPB	Write protect function

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3202 VHiEN29LV800B:Flash ROM (EN29LV800B)

CONNECTION DIAGRAMS

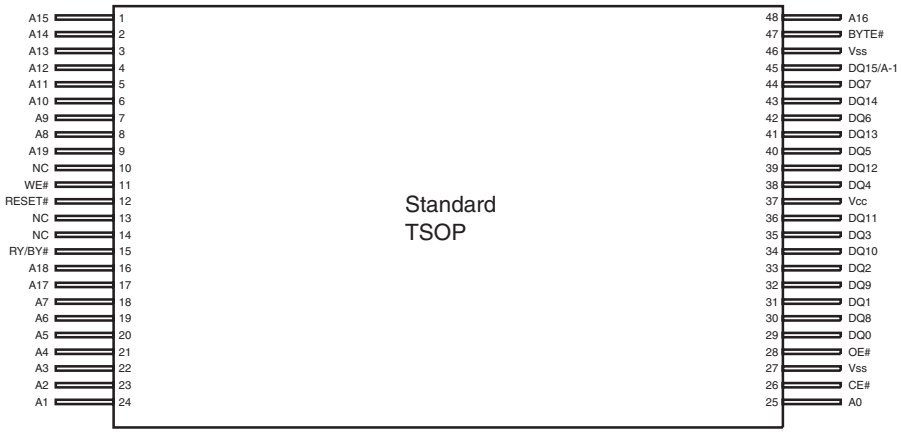


Figure 8-6 BLOCK DIAGRAM OF IC

IC3203 VHiM24C04WMN-:4K Bit EEPROM (M24C04)

Pin No.	Terminal name	Function
1,2,3,	E0,E1,E2	Chip Enable
5	SDA	Serial ata D
6	SCL	Serial Clock
7	WC	Write Control
8	VCC	Supply Voltage
4	VSS	Ground

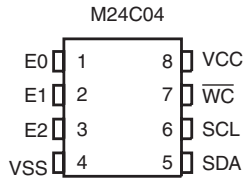


Figure 8-7 BLOCK DIAGRAM OF IC

IC3206 VHiiC42S16400:64M SD-RAM (IC42S16400)

Pin No.	Terminal name	Function
38	CLK	Master Clock
37	CKE	Clock Enable
19	CS	Chip Select
18	RAS	Row Address Strobe
17	CAS	Column Address Strobe
16	WE	Write Enable
2,4,5,7,8, 10,11,13, 42,44,45, 47,48, 50,51,53	DQ0>DQ15	Data I/O
15	DQM	DQ Mask Enable
22,24,25, 26,29,30, 31,32,33, 34,35	A0-11	Address Input
20,21	BA0,1	Bank Address
1,14,27	VDD	Power Supply
3,9	VDDO	Power Supply for DQ
28,41,54	VSS	Ground
6,12,52	VSSQ	Ground for DQ
36*,40*	NC	Not Connected

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

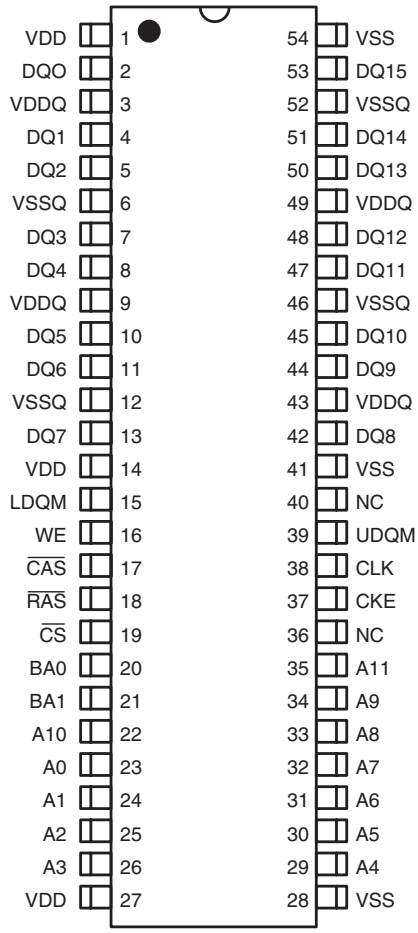
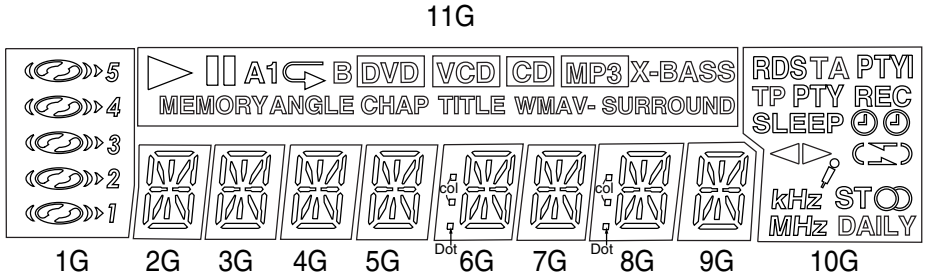


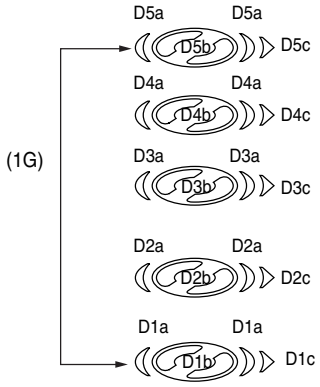
Figure 8-8 BLOCK DIAGRAM OF IC

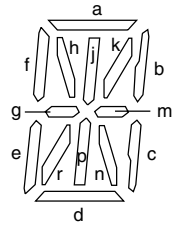
[2] FL Display

FL701: VVKNA11SS55-1

GRID ASSIGNMENT







(2G~9G)

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	5					col		col		PTYI	DVD
P2	D5-a	a	a	a	a	a	a	a	a	(L)	VCD
P3	D5-b	b	b	b	b	b	b	b	b	TA	CD
P4	D5-c	k	k	k	k	k	k	k	k	TP	X-BASS
P5	4	j	j	j	j	j	j	j	j	RDS	MP3
P6	D4-a	h	h	h	h	h	h	h	h	REC	WMA
P7	D4-b	f	f	f	f	f	f	f	f	▷	V-
P8	D4-c	m	m	m	m	m	m	m	m	◁	SURROUND
P9	3	d	d	d	d	d	d	d	d	DAILY	TITLE
P10	D3-a	g	g	g	g	g	g	g	g	PTY	CHAP
P11	D3-b	p	p	p	p	p	p	p	p	)	ANGLE
P12	D3-c	e	e	e	e	e	e	e	e	(	↺
P13	2	n	n	n	n	n	n	n	n	MHz	A
P14	D2-a	r	r	r	r	r	r	r	r	↻	B
P15	D2-b	c	c	c	c	c	c	c	c	kHz	1
P16	D2-c					Dot		Dot		◯◯	MEMORY
P17	1									ST	
P18	D1-a										
P19	D1-b									(R)	▷
P 20	D1-c									SLEEP	II

OUTER DIMENSIONS

PIN CONNECTION

PIN NO.	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27-22	21
CONNECTION	F2	F2	NP	NP	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	P1	P2	P3	NX	P4

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20		NP	F1	F1

SHARP PARTS GUIDE

DVD MINI SYSTEM

MODEL CD-SW250DVD

CD-SW250DVD DVD Mini System consisting of CD-SW250DVD (main unit) CP-S250 (front speaker), GBOXSA110AWM1 (surround speaker) and CP-SW250 (subwoofer).

CONTENTS

[1] INTEGRATED CIRCUITS
[2] TRANSISTORS
[3] DIODES
[4] FILTERS
[5] TRANSFORMERS
[6] COILS
[7] VARIABLE RESISTORS
[8] VARIABLE CAPACITORS
[9] VIBRATORS
[10] CAPACITORS
[11] RESISTORS
[12] OTHER CIRCUITRY PARTS
[13] CHANGER MECHANISM PARTS
[14] CABINET PARTS
[15] SPEAKER BOX PARTS
[16] SUBWOOFER
[17] SURROUND SPEAKER (GBOXSA110AWM1)
[18] ACCESSORIES/PACKING PARTS
[19] P.W.B. ASSEMBLY (Not Replacement Item)
[20] OTHER SERVICE PARTS
■ INDEX

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
iC101	VHiAN7345K/-1	AM			Playback and Record/Playback Amp.,AN7345K
iC301	VHiTA7358AP-1	AG			FM Front End,TA7358AP
iC302	VHiLC72131/-1	AP			PLL (Tuner),LC72131
iC303	VHiLA1832S/-1	AN			FM IF Det./FM Mpx./AM IF,LA1832S
iC503	VHiKiA4558F-1	AF			Pre Amp.,KIA4558F
iC601	VHiLC75341/-1	AM			Audio Processor,LC75341
iC602	VHiNJM2533M-1	AF			Video Switch,NJM2533M
iC603	RH-iXA043AWZZ	AR			Sound IC,IXA043AW
iC701	RH-iXA067AW00	BL			System Microcomputer,IXA67AW
iC801	VHiBD9701T-V5	AM			1-ch DC-DC Converter,BD9701T
iC802	VHiKiA78L05-1	AF			Voltage Regulator,KIA78L05
iC852	VHiKiA7808AP1	AF			Voltage Regulator,KIA7808AP
iC856	VHiLD1117V/-1	AG			1.5V Voltage Regulator,LD1117V
iC857	VHiLD1117V33/	AG			3.3V Voltage Regulator,LD1117V
iC901	VHiSTK41249-1	AZ			Power Amp.,STK412AE[490
iC902	VHiSTK41249-1	AZ			Power Amp.,STK41249AE[490
iC903	VHiAN80T53/-1	AL			Multi Regulator,AN80T53
iC3001	VHiLA6261//-1	AN			Focus/Tracking/Spin/Sled Driver,LA6261
iC3101	VHiLA9703W/-1	AQ			DVD Player Front End Processor,LA9703W
iC3201	VHiLC74231HNW	BK			Single Chip LSI For DVD,LC74231HNW
iC3202	VHiEN29LV800B	AW			Flash ROM,EN29LV800E
iC3203	VHiM24C04WMN-	AF			4K Bit EEPROM,M24C04
iC3204	VHiTC7SHU04FU	AD			Inverter (Un-Buffer),TC7SHU04FU
iC3205	VHiTC7SHU04FU	AD			Inverter (Un-Buffer),TC7SHU04FU
iC3206	VHiiC42S16400	AZ			64M SD-RAM.IC42S16400
iC3301	VHiAK4384//-1	AM			D/A Converter,AK4384
iC3701	VHiLA73054/-1	AM			Video Buffer,LA73054
iCK1	VHiM65856SP-1	AX			Mic Amp.,M65856SP
iCK2	VHiKiA4558P-1	AC			Ope Amp.,KIA4558P
[2] TRANSISTORS					
Q101	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q102	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q103	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q104	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q105	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q106	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q107	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q108	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q109	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q110	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q111	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q112	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q113	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q114	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q302	VSKTC3194Y/-1	AD			Silicon,NPN,KTC3194 Y
Q360	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q502	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q503	VSKTC3205Y/-1	AD			Silicon,NPN,KTC3205 Y
Q504	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q505	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q506	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q507	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q601	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q602	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q603	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q604	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q605	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q606	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q607	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q608	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q609	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q610	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q611	VSKTC3265Y/-1	AC			Silicon,NPN,KTC3265 Y
Q612	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q663	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q664	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q665	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q702	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q703	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q704	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q705	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q706	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q707	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q708	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q709	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q710	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q711	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q712	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q713	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q801	VSKTA1274Y/-1	AE			Silicon,PNP,KTA1274 Y
Q802	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
Q803	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q804	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q805	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] TRANSISTORS					
Q806	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q901	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q902	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q903	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q904	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q905	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q906	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q907	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q908	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q909	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q910	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q911	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q3101	VSKTK5133S/-1	AC			N-Channel FET,KTK5133 S
Q3102	VSKTK5133S/-1	AC			N-Channel FET,KTK5133 S
Q3103	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q3104	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q3105	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QC1	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
QC2	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
QC3	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
QK1	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
[3] DIODES					
D301	VHD1N4148H/-1	AA			Silicon,1N4148H
D302	VHD1N4148H/-1	AA			Silicon,1N4148H
D305	VHD1N4148H/-1	AA			Silicon,1N4148H
D501	VHD1N4148H/-1	AA			Silicon,1N4148H
D503	VHD1N4148H/-1	AA			Silicon,1N4148H
D504	VHD1N4148H/-1	AA			Silicon,1N4148H
D505	VHD1N4148H/-1	AA			Silicon,1N4148H
D506	VHD1N4148H/-1	AA			Silicon,1N4148H
D508	VHD1N4148H/-1	AA			Silicon,1N4148H
D690	VHD1N4148H/-1	AA			Silicon,1N4148H
D691	VHD1N4148H/-1	AA			Silicon,1N4148H
D706	VHD1N4148H/-1	AA			Silicon,1N4148H
D707	VHD1N4148H/-1	AA			Silicon,1N4148H
D708	VHD1N4148H/-1	AA			Silicon,1N4148H
D709	VHD1N4148H/-1	AA			Silicon,1N4148H
D710	VHD1N4148H/-1	AA			Silicon,1N4148H
D711	VHD1N4148H/-1	AA			Silicon,1N4148H
D712	VHD1N4148H/-1	AA			Silicon,1N4148H
D713	VHD1N4148H/-1	AA			Silicon,1N4148H
D801	VHDTS20P05G-1	AL			Silicon,TS20P05G
D802	VHDTS10B05G-1	AH			Silicon,TS10B05G
D803	VHDRL204F//-1	AC			Silicon,RL204F
D804	VHDRL204F//-1	AC			Silicon,RL204F
D805	VHDDS1N404S-1	AB			Silicon,DS1N404S
D806	VHDDS1N404S-1	AB			Silicon,DS1N404S
D807	VHDD1FH3+++-1	AE			Schottky,D1FH3
D808	VHD1N4148H/-1	AA			Silicon,1N4148H
D812	VHD1N4148H/-1	AA			Silicon,1N4148H
D815	VHD1N4148H/-1	AA			Silicon,1N4148H
D816	VHD1N4148H/-1	AA			Silicon,1N4148H
D817	VHD1N4148H/-1	AA			Silicon,1N4148H
D818	VHDGD1N4004-1	AB			Silicon,GD1N4004
D819	VHDGD1N4004-1	AB			Silicon,GD1N4004
D820	VHD1N4148H/-1	AA			Silicon,1N4148H
D821	VHD1N4148H/-1	AA			Silicon,1N4148H
D823	VHDGD1N4004-1	AB			Silicon,GD1N4004
D850	VHDRL204F//-1	AC			Silicon,RL204F
D851	VHDRL204F//-1	AC			Silicon,RL204F
D852	VHD1N4148H/-1	AA			Silicon,1N4148H
D853	VHD1N4148H/-1	AA			Silicon,1N4148H
D901	VHD1N4148H/-1	AA			Silicon,1N4148H
D902	VHD1N4148H/-1	AA			Silicon,1N4148H
D903	VHD1N4148H/-1	AA			Silicon,1N4148H
D904	VHD1N4148H/-1	AA			Silicon,1N4148H
D905	VHD1N4148H/-1	AA			Silicon,1N4148H
D906	VHD1N4148H/-1	AA			Silicon,1N4148H
D907	VHD1N4148H/-1	AA			Silicon,1N4148H
D908	VHD1N4148H/-1	AA			Silicon,1N4148H
D909	VHD1N4148H/-1	AA			Silicon,1N4148H
D910	VHD1N4148H/-1	AA			Silicon,1N4148H
D911	VHDGD1N4004-1	AB			Silicon,GD1N4004
D912	VHDGD1N4004-1	AB			Silicon,GD1N4004
D913	VHDGD1N4004-1	AB			Silicon,GD1N4004
D914	VHDGD1N4004-1	AB			Silicon,GD1N4004
D3001	VHDKDS184//-1	AB			Silicon,KDS184
D7007	VHD1N4148H/-1	AA			Silicon,1N4148H
D7008	VHD1N4148H/-1	AA			Silicon,1N4148H
D7009	VHD1N4148H/-1	AA			Silicon,1N4148H
D7010	VHD1N4148H/-1	AA			Silicon,1N4148H
DK1	VHDDS1SS133-1	AB			Silicon,DS1SS133
DK2	VHDDS1SS133-1	AB			Silicon,DS1SS133
LED503	VHPSDPB40F2A-	AK			LED,Blue,SDPB40F2A

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[3] DIODES					
	LED505	VHPSDPB40F2A-	AK			LED,Blue,SDPB40F2A
	LED701	VHPSDPB50CD-1	AK			LED,Blue,SDPB50CD
	LED702	VHPSLR342VCB1	AC			LED,Red,SLR342VCB1
	ZD351	VHEDZ5R1BSB-1	AC			Zener,5.1V,DZ5.1BSB
	ZD801	VHEDZ7R5BSB-1	AB			Zener,7.5V,DZ7.5BSB
	ZD802	VHEDZ300BSB-1	AB			Zener,30V,DZ30BSB
	ZD803	VHEDZ6R2BSA-1	AB			Zener,6.2V,DZ6.2BSA
	ZD804	VHEDZ6R8BSA-1	AC			Zener,6.8V,DZ6.8BSA
	ZD805	VHEDZ110BSB-1	AB			Zener,11V,DZ11BSB
	ZD901	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZD902	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZD903	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZD904	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZDK1	VHEMTZJ5R6B-1	AD			Zener,5.6V,MTZJ5.6
	[4] FILTERS					
	BF301	RFiLR0008AWZZ	AE			Band Pass Filter
	CF303	RFiLF0124AFZZ	AD			FM IF,10.7 MHz
	CF351	RFiLF0003AWZZ	AK			FM IF
	CF352	RFiLA0009AWZZ	AE			AM IF
	[5] TRANSFORMERS					
⚠	PT801	RTRNPA021AWZZ	BP			Power
	T301	RCiLBA001AWZZ	AC			OSC,FM
	T302	RCiLi0017AWZZ	AB			FM IF
	T303	RCiLA0052AWZZ	AE			AM Antenna
	T306	RCiLB0067AWZZ	AD			AM OSC
	T351	RCiLi0019AWZZ	AD			AM IF
	[6] COILS					
	FB3701	RBLN-0061TAZZ	AB			Ferrite Beads,BLM18AG121SN1D
	FB3711	RBLN-0061TAZZ	AB			Ferrite Beads,BLM18AG121SN1D
	FB3712	RBLN-0061TAZZ	AB			Ferrite Beads,BLM18AG121SN1D
	L103	VP-MK331K0000	AB			330 μH,Choke
	L312	RCiLR0056AWZZ	AB			FM RF
	L342	VP-DH2R2K0000	AB			2.2 μH,Peaking
	L351	VP-DH101K0000	AB			100 μH,Choke
	L352	VP-DH101K0000	AB			100 μH,Choke
	L701	VP-DH101K0000	AB			100 μH,Choke
	L801	RCiLZA014AWZZ	AK			100 μH
⚠	L890	RCiLZA016AWZZ	AF			Line Filter
	L901	RCiLZ0024AWZZ	AC			3 μH,Choke
	L902	RCiLZ0024AWZZ	AC			3 μH,Choke
	L903	RCiLZ0024AWZZ	AC			3 μH,Choke
	L904	RCiLZ0024AWZZ	AC			3 μH,Choke
	L7001	VP-DH100K0000	AB			10 μH,Choke
	[7] VARIABLE RESISTOR					
	VRK1	RVR-G0001AWZZ	AD			20 kohms (B) [MIC LEVEL]
	[8] VARIABLE CAPACITORS					
	VD301	VHCSVC347S/-1	AG			Variable Capacitance,SVC347S
	VD302	VHCSVC230C/-1	AD			Variable Capacitance,SVC230C
	VD303	VHCSVC230C/-1	AD			Variable Capacitance,SVC230C
	[9] VIBRATORS					
	X351	92LCRSTL1425A	AF			Crystal,456 kHz
	X352	RCRSP0019AWZZ	AF			Crystal,4.5 MHz
	XL701	RCRSP0029AWZZ	AF			Crystal,8.3886 MHz
	XL3001	RCRSP0025AWZZ	AK			Crystal,33.8688 MHz
	XL3002	RCRSPA004AWZZ	AF			Crystal,54 MHz
	[10] CAPACITORS					
	C101	VCKYCY1HB561K	AA			560 pF,50V
	C102	VCKYCY1HB561K	AA			560 pF,50V
	C103	VCKYBT1HB181K	AA			180 pF,50V
	C104	VCCCCY1HH181J	AA			180 pF (CH),50V
	C105	VCKYCY1HB561K	AA			560 pF,50V
	C106	VCKYCY1HB561K	AA			560 pF,50V
	C107	VCKYPA1HB331K	AA			330 pF,50V
	C108	VCKYPA1HB331K	AA			330 pF,50V
	C109	VCKYCY1HB331K	AA			330 pF,50V
	C110	VCKYCY1HB331K	AA			330 pF,50V
	C111	VCEAZA1CW107M	AC			100 μF,16V,Electrolytic
	C112	VCEAZA1CW107M	AC			100 μF,16V,Electrolytic
	C113	VCKYCY1HB333K	AB			0.033 μF,50V
	C114	VCTYPA1EX333K	AA			0.033 μF,25V
	C115	VCKYCY1HB561K	AA			560 pF,50V
	C116	VCKYCY1HB561K	AA			560 pF,50V
	C117	VCEAZA1EW476M	AB			47 μF,25V,Electrolytic
	C118	VCEAZA1EW476M	AB			47 μF,25V,Electrolytic
	C119	VCKYCY1HB222K	AA			0.0022 μF,50V
	C120	VCKYCY1HB222K	AA			0.0022 μF,50V
	C121	VCKYCY1EF223Z	AB			0.022 μF,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C123	VCKYCY1HB271K	AA			270 pF,50V
C124	VCKYCY1HB271K	AA			270 pF,50V
C125	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C126	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C127	VCTYPA1CX223K	AA			0.022 μ F,16V
C128	VCTYPA1CX223K	AA			0.022 μ F,16V
C129	VCKYCY1HB332K	AA			0.0033 μ F,50V
C130	VCKYCY1HB332K	AA			0.0033 μ F,50V
C131	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C132	RC-EZD476AF1E	AC			47 μ F,25V,Electrolytic
C133	RC-EZY226AF1C	AB			22 μ F,16V,Electrolytic
C134	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C135	VCKYCY1EF223Z	AB			0.022 μ F,25V
C137	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C138	VCQPKA2AA822J	AA			0.0082 μ F,100V,Polypropylene
C139	VCQYKA1HM393K	AB			0.039 μ F,50V,Mylar
C140	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C141	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C143	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C150	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C302	VCKYCY1HB102K	AA			0.001 μ F,50V
C303	VCCCCY1HH101J	AA			100 pF (CH),50V
C304	VCKYCY1HB103K	AA			0.01 μ F,50V
C305	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C306	VCKYCY1EF223Z	AB			0.022 μ F,25V
C307	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C308	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C309	VCKYCY1HB102K	AA			0.001 μ F,50V
C310	VCCCCY1HH150J	AA			15 pF (CH),50V
C311	VCCCCY1HH180J	AA			18 pF (CH),50V
C312	VCKYCY1EF223Z	AB			0.022 μ F,25V
C313	VCCCCY1HH220J	AA			22 pF (CH),50V
C315	VCKYCY1HB103K	AA			0.01 μ F,50V
C316	VCKYCY1EF223Z	AB			0.022 μ F,25V
C317	VCKYCY1HB102K	AA			0.001 μ F,50V
C318	VCKYBT1HB101K	AA			100 pF,50V
C320	VCKYBT1HB102K	AA			0.001 μ F,50V
C323	VCKYCY1EF223Z	AB			0.022 μ F,25V
C324	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C330	VCCCCY1HH150J	AA			15 pF (CH),50V
C331	VCKYCY1EF473Z	AB			0.047 μ F,25V
C332	VCKYCY1EF223Z	AB			0.022 μ F,25V
C334	VCCCCY1HH220J	AA			22 pF (CH),50V
C335	VCKYCY1HB561K	AA			560 pF,50V
C342	VCKYCY1EF223Z	AB			0.022 μ F,25V
C343	VCKYCY1EF223Z	AB			0.022 μ F,25V
C350	VCKYCY1EF223Z	AB			0.022 μ F,25V
C351	VCKYCY1EF223Z	AB			0.022 μ F,25V
C352	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C353	VCKYCY1EF223Z	AB			0.022 μ F,25V
C354	VCKYCY1EF223Z	AB			0.022 μ F,25V
C355	VCCCCY1HH220J	AA			22 pF (CH),50V
C356	VCKYCY1HB102K	AA			0.001 μ F,50V
C357	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C358	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C361	VCKYCY1EF223Z	AB			0.022 μ F,25V
C362	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C363	VCKYCY1EF223Z	AB			0.022 μ F,25V
C364	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C365	VCTYPA1CX223K	AA			0.022 μ F,16V
C366	VCKYCY1HB102K	AA			0.001 μ F,50V
C367	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C368	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C369	VCCCCY1HH270J	AA			27 pF (CH),50V
C370	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C371	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C372	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C373	VCTYPA1CX153K	AA			0.015 μ F,16V
C374	VCTYPA1CX153K	AA			0.015 μ F,16V
C380	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C381	VCCCCY1HH120J	AA			12 pF (CH),50V
C382	VCCCCY1HH150J	AA			15 pF (CH),50V
C383	VCKYBT1HB101K	AA			100 pF,50V
C384	VCKYCY1HB102K	AA			0.001 μ F,50V
C385	VCKYCY1HB103K	AA			0.01 μ F,50V
C386	VCKYCY1HB331K	AA			330 pF,50V
C387	VCKYCY1EF223Z	AB			0.022 μ F,25V
C388	VCKYCY1HB102K	AA			0.001 μ F,50V
C389	VCKYBT1HB102K	AA			0.001 μ F,50V
C391	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C392	VCKYCY1HB102K	AA			0.001 μ F,50V
C393	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C394	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C395	VCKYCY1EF223Z	AB			0.022 μ F,25V
C396	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C397	VCKYCY1EF223Z	AB			0.022 μ F,25V
C398	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C399	VCKYCY1EF223Z	AB			0.022 μ F,25V
C501	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C507	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C508	VCCCCY1HH101J	AA			100 pF (CH),50V
C509	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C510	VCKYCY1HB102K	AA			0.001 μ F,50V
C511	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C512	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C513	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C517	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C518	VCEAZA1CW477M	AC			470 μ F,16V,Electrolytic
C519	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C520	VCCCCY1HH101J	AA			100 pF (CH),50V
C523	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C528	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C530	VCFYFA1HA334J	AC			0.33 μ F,50V,Thin Film
C531	VCCCCY1HH102J	AA			0.001 μ F (CH),50V
C532	VCFYFA1HA683J	AB			0.068 μ F,50V
C601	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C602	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C609	VCKYCY1HB102K	AA			0.001 μ F,50V
C610	VCKYCY1HB102K	AA			0.001 μ F,50V
C611	VCKYCY1HB221K	AA			220 pF,50V
C612	VCKYCY1HB221K	AA			220 pF,50V
C613	VCKYCY1HB221K	AA			220 pF,50V
C614	VCEAZA1CW227M	AC			220 μ F,16V,Electrolytic
C615	VCKYPA1HF223Z	AB			0.022 μ F,50V
C616	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C617	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C618	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C619	VCFYFA1HA124J	AL			0.12 μ F,50V,Thin Film
C620	VCFYFA1HA124J	AL			0.12 μ F,50V,Thin Film
C621	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C622	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C623	VCKYCY1HB222K	AA			0.0022 μ F,50V
C624	VCKYCY1HB222K	AA			0.0022 μ F,50V
C625	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C626	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C627	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C628	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C629	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C630	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C631	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C632	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C633	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C634	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C635	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C636	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C645	VCKYCY1HB561K	AA			560 pF,50V
C646	VCKYCY1HB561K	AA			560 pF,50V
C647	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C648	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C649	VCKYCY1HB102K	AA			0.001 μ F,50V
C650	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C651	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C652	VCKZPA1HF103Z	AA			0.01 μ F,50V
C653	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C654	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C655	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C656	VCEAZA0JW108M	AC			1000 μ F,6.3V,Electrolytic
C662	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C663	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C664	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C665	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C666	VCKYCY1HB222K	AA			0.0022 μ F,50V
C667	VCKYCY1HB222K	AA			0.0022 μ F,50V
C668	VCKYCY1HB681K	AA			680 pF,50V
C669	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C670	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C671	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
C672	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C673	VCFYFA1HA124J	AL			0.12 μ F,50V,Thin Film
C674	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C675	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C676	VCFYFA1HA683J	AB			0.068 μ F,50V
C679	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C682	VCKYCY1HB221K	AA			220 pF,50V
C690	VCKYPA1HB391K	AA			390 pF,50V
C691	VCKYPA1HB391K	AA			390 pF,50V
C701	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C702	VCEAZA0JW108M	AC			1000 μ F,6.3V,Electrolytic
C703	VCKYCY1EF223Z	AB			0.022 μ F,25V
C704	VCKYCY1EF223Z	AB			0.022 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C705	VCKYCY1EF473Z	AB			0.047 μ F,25V
C706	VCKYCY1EF473Z	AB			0.047 μ F,25V
C707	VCCCCY1HH180J	AA			18 pF (CH),50V
C708	VCCCCY1HH180J	AA			18 pF (CH),50V
C709	VCKYCY1EF223Z	AB			0.022 μ F,25V
C710	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C712	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C713	VCKYCY1HB103K	AA			0.01 μ F,50V
C714	VCKYCY1EF473Z	AB			0.047 μ F,25V
C715	VCKYCY1HB103K	AA			0.01 μ F,50V
C716	VCKYCY1EF223Z	AB			0.022 μ F,25V
C717	VCKYCY1HB473K	AB			0.047 μ F,50V
C718	VCKYCY1HB473K	AB			0.047 μ F,50V
C721	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C801	VCFYDA2AA224J	AD			0.22 μ F,100V,Thin Film
C802	VCFYDA2AA224J	AD			0.22 μ F,100V,Thin Film
C803	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C804	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C805	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C806	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C807	VCEAZA2AW226M	AC			22 μ F,100V,Electrolytic
C808	VCEAZA1JW227M	AD			220 μ F,63V,Electrolytic
C809	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C810	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C811	VCEAZA1VW107M	AC			100 μ F,35V,Electrolytic
C813	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C817	RC-EZ0149AWZZ	AC			470 μ F,10V,Electrolytic
C820	VCKYPA1HF223Z	AB			0.022 μ F,50V
C825	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C826	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C827	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C828	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C836	VCEAZW1EW688M	AL			6800 μ F,25V,Electrolytic
C839	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C840	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C841	VCEAZA1EW227M	AC			220 μ F,25V,Electrolytic
C842	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C843	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C844	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C845	VCKYCY1HB104K	AD			0.1 μ F,50V
C846	RC-EZ3013AWZZ	AQ			6800 μ F,71V,Electrolytic
C847	RC-EZ3013AWZZ	AQ			6800 μ F,71V,Electrolytic
C848	RC-EZ3014AWZZ	AL			8200 μ F,35V,Electrolytic
C849	RC-EZ3014AWZZ	AL			8200 μ F,35V,Electrolytic
C854	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C855	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C856	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C857	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C858	RC-EZY106AF1H	AB			10 μ F,50V,Electrolytic
C860	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C861	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C868	RC-EZ0159AWZZ	AC			220 μ F,35V,Electrolytic
C901	VCEAZA1HW336M	AC			33 μ F,50V,Electrolytic
C902	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C903	VCEAZA1HW336M	AC			33 μ F,50V,Electrolytic
C904	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C905	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C906	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C908	VCCCCY1HH101J	AA			100 pF (CH),50V
C909	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C910	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C911	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C912	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C913	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C914	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C915	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C916	VCKYCY1HB103K	AA			0.01 μ F,50V
C917	VCKYCY1HB103K	AA			0.01 μ F,50V
C918	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C919	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C920	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C921	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C922	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C923	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C924	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C925	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
C926	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
C927	VCKYCY1HB102K	AA			0.001 μ F,50V
C928	VCKYCY1HB102K	AA			0.001 μ F,50V
C929	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C930	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C931	VCCCCY1HH101J	AA			100 pF (CH),50V
C932	VCCCCY1HH101J	AA			100 pF (CH),50V
C933	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C934	VCCCCY1HH3R0C	AA			3 pF (CH),50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C935	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C936	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C937	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C938	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C939	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C940	VCKYCY1HB103K	AA			0.01 μ F,50V
C941	VCKYCY1HB103K	AA			0.01 μ F,50V
C942	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C943	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C944	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C945	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C946	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C947	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C948	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C950	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C951	VCKYCY1HB103K	AA			0.01 μ F,50V
C961	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C962	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C973	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C976	VCEAZA1HW104M	AB			0.1 μ F,50V,Electrolytic
C977	VCCCCY1HH101J	AA			100 pF (CH),50V
C3101	VCKYCY1CB104K	AB			0.1 μ F,16V
C3102	VCKYCY1CB104K	AB			0.1 μ F,16V
C3103	VCKYCY1CB104K	AB			0.1 μ F,16V
C3104	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C3105	VCKYCY1HB102K	AA			0.001 μ F,50V
C3106	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C3107	VCKYCY1HB102K	AA			0.001 μ F,50V
C3108	VCCCCY1HH150J	AA			15 pF (CH),50V
C3109	VCCCCY1HH150J	AA			15 pF (CH),50V
C3110	VCCCCY1HH150J	AA			15 pF (CH),50V
C3111	VCCCCY1HH150J	AA			15 pF (CH),50V
C3112	VCCCCY1HH150J	AA			15 pF (CH),50V
C3113	VCCCCY1HH101J	AA			100 pF (CH),50V
C3114	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3115	VCKYCY1CB104K	AB			0.1 μ F,16V
C3116	VCKYCY1CB104K	AB			0.1 μ F,16V
C3117	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3118	VCKYCY1CB104K	AB			0.1 μ F,16V
C3119	VCKYCY1CB104K	AB			0.1 μ F,16V
C3120	VCCCCY1HH101J	AA			100 pF (CH),50V
C3121	VCKYCY1HB473K	AB			0.047 μ F,50V
C3122	VCKYCY1HB103K	AA			0.01 μ F,50V
C3123	VCKYCY1HB561K	AA			560 pF,50V
C3124	VCKYCY1HB561K	AA			560 pF,50V
C3125	VCKYCY1HB821K	AA			820 pF,50V
C3126	VCKYCY1HB472K	AA			0.0047 μ F,50V
C3127	VCKYCY1HB561K	AA			560 pF,50V
C3128	VCKYCY1HB472K	AA			0.0047 μ F,50V
C3129	VCKYCY1HB152K	AA			0.0015 μ F,50V
C3130	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3131	VCKYCY1CB104K	AB			0.1 μ F,16V
C3132	VCKYCY1CB104K	AB			0.1 μ F,16V
C3133	VCEAZA1HW334M	AB			0.33 μ F,50V,Electrolytic
C3134	VCKYCY1CB105K	AB			1 μ F,16V
C3135	VCKYCY1CB104K	AB			0.1 μ F,16V
C3136	VCKYCY1CB104K	AB			0.1 μ F,16V
C3137	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3138	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3201	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3202	VCKYCY1CB104K	AB			0.1 μ F,16V
C3203	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3204	VCKYCY1CB104K	AB			0.1 μ F,16V
C3205	VCKYCY1CB104K	AB			0.1 μ F,16V
C3206	VCKYCY1CB104K	AB			0.1 μ F,16V
C3207	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3208	VCKYCY1CB104K	AB			0.1 μ F,16V
C3209	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3210	VCKYCY1CB104K	AB			0.1 μ F,16V
C3211	VCKYCY1CB104K	AB			0.1 μ F,16V
C3212	VCCCCY1HH100D	AA			10 pF (CH),50V
C3213	VCCCCY1HH100D	AA			10 pF (CH),50V
C3214	VCCCCY1HH471J	AA			470 pF (CH),50V
C3215	VCCCCY1HH471J	AA			470 pF (CH),50V
C3216	VCKYCY1CB104K	AB			0.1 μ F,16V
C3219	VCKYCY1CB104K	AB			0.1 μ F,16V
C3220	VCKYCY1CB104K	AB			0.1 μ F,16V
C3221	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3222	VCKYCY1CB104K	AB			0.1 μ F,16V
C3223	VCKYCY1CB104K	AB			0.1 μ F,16V
C3224	VCCCCY1HH151J	AA			150 pF (CH),50V
C3225	VCKYCY1CB104K	AB			0.1 μ F,16V
C3226	VCKYCY1CB104K	AB			0.1 μ F,16V
C3227	VCKYCY1CB104K	AB			0.1 μ F,16V
C3228	VCKYCY1CB104K	AB			0.1 μ F,16V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] CAPACITORS					
C3229	VCKYCY1HB103K	AA			0.01 μ F,50V
C3230	VCKYCY1CB104K	AB			0.1 μ F,16V
C3231	VCKYCY1CB104K	AB			0.1 μ F,16V
C3232	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3233	VCKYCY1CB104K	AB			0.1 μ F,16V
C3234	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C3235	VCKYCY1CB104K	AB			0.1 μ F,16V
C3236	VCKYCY1CB104K	AB			0.1 μ F,16V
C3237	VCKYCY1CB104K	AB			0.1 μ F,16V
C3238	VCKYCY1CB104K	AB			0.1 μ F,16V
C3239	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3240	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3241	VCKYCY1CB104K	AB			0.1 μ F,16V
C3242	VCKYCY1CB104K	AB			0.1 μ F,16V
C3243	VCKYCY1CB104K	AB			0.1 μ F,16V
C3244	VCKYCY1CB104K	AB			0.1 μ F,16V
C3245	VCKYCY1CB104K	AB			0.1 μ F,16V
C3246	VCKYCY1CB104K	AB			0.1 μ F,16V
C3247	VCKYCY1CB104K	AB			0.1 μ F,16V
C3248	VCKYCY1CB104K	AB			0.1 μ F,16V
C3249	VCKYCY1CB104K	AB			0.1 μ F,16V
C3250	VCKYCY1CB104K	AB			0.1 μ F,16V
C3251	VCKYCY1CB104K	AB			0.1 μ F,16V
C3252	VCKYCY1CB104K	AB			0.1 μ F,16V
C3253	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3254	VCKYCY1CB104K	AB			0.1 μ F,16V
C3255	VCKYCY1CB104K	AB			0.1 μ F,16V
C3256	VCKYCY1CB104K	AB			0.1 μ F,16V
C3257	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3258	VCKYCY1CB104K	AB			0.1 μ F,16V
C3259	VCKYCY1CB104K	AB			0.1 μ F,16V
C3260	VCKYCY1CB104K	AB			0.1 μ F,16V
C3261	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3262	VCKYCY1CB104K	AB			0.1 μ F,16V
C3263	VCKYCY1CB104K	AB			0.1 μ F,16V
C3264	VCCCCY1HH7R0D	AA			7 pF (CH),50V
C3265	VCCCCY1HH7R0D	AA			7 pF (CH),50V
C3266	VCKYCY1CB104K	AB			0.1 μ F,16V
C3268	VCKYCY1HB103K	AA			0.01 μ F,50V
C3269	VCKYCY1HB103K	AA			0.01 μ F,50V
C3270	VCCCCY1HH101J	AA			100 pF (CH),50V
C3271	VCCCCY1HH101J	AA			100 pF (CH),50V
C3272	VCCCCY1HH101J	AA			100 pF (CH),50V
C3273	VCCCCY1HH101J	AA			100 pF (CH),50V
C3301	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3303	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3307	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
C3308	VCKYCY1CB104K	AB			0.1 μ F,16V
C3309	VCKYCY1CB104K	AB			0.1 μ F,16V
C3311	VCCCCY1HH101J	AA			100 pF (CH),50V
C3312	VCCCCY1HH101J	AA			100 pF (CH),50V
C3319	VCCCCY1HH471J	AA			470 pF (CH),50V
C3320	VCCCCY1HH471J	AA			470 pF (CH),50V
C3321	VCCCCY1HH471J	AA			470 pF (CH),50V
C3322	VCKYCY1CB104K	AB			0.1 μ F,16V
C3323	VCKYCY1HB103K	AA			0.01 μ F,50V
C3401	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3402	VCKYCY1CB104K	AB			0.1 μ F,16V
C3403	VCKYCY1HB103K	AA			0.01 μ F,50V
C3404	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3601	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3602	VCKYCY1CB104K	AB			0.1 μ F,16V
C3603	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3604	VCKYCY1CB104K	AB			0.1 μ F,16V
C3605	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3606	VCKYCY1CB104K	AB			0.1 μ F,16V
C3607	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3608	VCKYCY1CB104K	AB			0.1 μ F,16V
C3609	VCKYCY1CB104K	AB			0.1 μ F,16V
C3610	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3701	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3702	VCKYCY1CB104K	AB			0.1 μ F,16V
C3703	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3704	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3705	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3706	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3707	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C3708	VCKYCY1CB104K	AB			0.1 μ F,16V
C3709	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C3905	VCKYCY1EF223Z	AB			0.022 μ F,25V
C3906	VCCCCY1HH390J	AA			39 pF (CH),50V
C3907	VCKYCY1HB103K	AA			0.01 μ F,50V
C7001	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C7004	VCKYPA1HB221K	AA			220 pF,50V
C7005	VCKYPA1HB221K	AA			220 pF,50V

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[10] CAPACITORS					
C7008	VCTYPA1CX103K	AA			0.01 μ F,16V
C7009	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C7011	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C7017	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C7018	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C7019	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
CC1	VCCCPA1HH390J	AA			39 pF (CH),50V
CC2	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CC3	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
CK1	VCTYPA1CX103K	AA			0.01 μ F,16V
CK7	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
CK8	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
CK9	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK10	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK11	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK12	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK13	VCTYPA1CX472K	AA			0.0047 μ F,16V
CK14	VCKYPA1HB102K	AA			0.001 μ F,50V
CK15	VCFYFA1HA683J	AB			0.068 μ F,50V
CK16	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CK17	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
CK18	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK19	VCKZPA1HF223Z	AA			0.022 μ F,50V
CK20	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CK21	VCFYFA1HA683J	AB			0.068 μ F,50V
CK22	VCTYPA1CX472K	AA			0.0047 μ F,16V
CK23	VCKYPA1HB102K	AA			0.001 μ F,50V
CK24	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK25	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK26	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK29	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK30	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK31	VCFYFA1HA154J	AB			0.15 μ F,50V,Thin Film
CK33	VCCSPA1HL470J	AA			47 pF,50V
CK34	VCCSPA1HL470J	AA			47 pF,50V
CK35	VCCSPA1HL470J	AA			47 pF,50V
CK40	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK41	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK42	VCKZPA1HF223Z	AA			0.022 μ F,50V
CK43	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK44	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK45	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK46	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK47	VCCSPA1HL221J	AA			220 pF,50V
CK48	VCCSPA1HL221J	AA			220 pF,50V
CK49	VCCSPA1HL101J	AA			100 pF,50V
CK50	VCCSPA1HL101J	AA			100 pF,50V
CK51	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK52	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK53	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK54	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK55	VCKYBT1HB102K	AA			0.001 μ F,50V
CK70	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
CK71	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
CK72	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK73	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK74	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK75	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK80	VCQYKA1HM223K	AB			0.022 μ F,50V,Mylar
CK81	VCQYKA1HM223K	AB			0.022 μ F,50V,Mylar
[11] RESISTORS					
	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3101	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3102	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3103	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3104	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3105	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3106	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3107	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3201	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3202	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3203	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3204	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3205	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3206	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3207	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3208	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3302	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3601	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3602	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3603	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3604	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3605	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3606	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
FB3702	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3703	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3704	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3706	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3707	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3708	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3709	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3710	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R01	VRS-CY1JB473J	AA			47 kohms,1/16W
R02	VRS-CY1JB473J	AA			47 kohms,1/16W
R03	VRS-CY1JB473J	AA			47 kohms,1/16W
R04	VRS-CY1JB473J	AA			47 kohms,1/16W
R05	VRS-CY1JB473J	AA			47 kohms,1/16W
R06	VRS-CY1JB473J	AA			47 kohms,1/16W
R07	VRS-CY1JB473J	AA			47 kohms,1/16W
R08	VRS-CY1JB473J	AA			47 kohms,1/16W
R09	VRS-CY1JB473J	AA			47 kohms,1/16W
R10	VRS-CY1JB473J	AA			47 kohms,1/16W
R11	VRS-CY1JB473J	AA			47 kohms,1/16W
R12	VRS-CY1JB473J	AA			47 kohms,1/16W
R13	VRS-CY1JB473J	AA			47 kohms,1/16W
R14	VRS-CY1JB473J	AA			47 kohms,1/16W
R15	VRS-CY1JB473J	AA			47 kohms,1/16W
R16	VRS-CY1JB473J	AA			47 kohms,1/16W
R17	VRS-CY1JB473J	AA			47 kohms,1/16W
R18	VRS-CY1JB473J	AA			47 kohms,1/16W
R19	VRS-CY1JB473J	AA			47 kohms,1/16W
R20	VRS-CY1JB473J	AA			47 kohms,1/16W
R101	VRS-CY1JB102J	AA			1 kohm,1/16W
R102	VRS-CY1JB102J	AA			1 kohm,1/16W
R103	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R104	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R105	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R106	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R107	VRS-CY1JB473J	AA			47 kohms,1/16W
R108	VRS-CY1JB473J	AA			47 kohms,1/16W
R109	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R110	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R111	VRD-ST2CD153J	AA			15 kohms,1/6W
R112	VRS-CY1JB153J	AA			15 kohms,1/16W
R113	VRS-CY1JB102J	AA			1 kohm,1/16W
R114	VRS-CY1JB102J	AA			1 kohm,1/16W
R115	VRD-ST2CD560J	AA			56 ohms,1/6W
R116	VRD-ST2CD560J	AA			56 ohms,1/6W
R117	VRS-CY1JB104J	AA			100 kohm,1/16W
R118	VRS-CY1JB104J	AA			100 kohm,1/16W
R119	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R120	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R121	VRS-CY1JB123J	AA			12 kohms,1/16W
R122	VRS-CY1JB123J	AA			12 kohms,1/16W
R123	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R124	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R126	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R127	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R128	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R129	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R130	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R131	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R132	VRS-CY1JB151J	AA			150 ohms,1/16W
R133	VRD-ST2CD151J	AA			150 ohms,1/6W
R134	VRS-CY1JB103J	AA			10 kohm,1/16W
R135	VRD-ST2CD103J	AA			10 kohm,1/6W
R136	VRD-ST2CD184J	AA			180 kohms,1/6W
R137	VRD-ST2CD184J	AA			180 kohms,1/6W
R138	VRD-ST2CD103J	AA			10 kohm,1/6W
R139	VRD-ST2CD103J	AA			10 kohm,1/6W
R140	VRS-CY1JB473J	AA			47 kohms,1/16W
R141	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R142	VRD-RT2HD820J	AA			82 ohms,1/2W
R143	VRS-CY1JB473J	AA			47 kohms,1/16W
R144	VRS-CY1JB223J	AA			22 kohms,1/16W
R145	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R146	VRS-CY1JB103J	AA			10 kohm,1/16W
R147	VRS-CY1JB103J	AA			10 kohm,1/16W
R148	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R149	VRD-ST2EE151J	AA			150 ohms,1/4W
R150	VRS-CY1JB683J	AA			68 kohms,1/16W
R158	VRD-ST2EE221J	AA			220 ohms,1/4W
R302	VRS-CY1JB100J	AA			10 ohm,1/16W
R309	VRD-ST2CD103J	AA			10 kohm,1/6W
R311	VRS-CY1JB104J	AA			100 kohm,1/16W
R313	VRS-CY1JB333J	AA			33 kohms,1/16W
R314	VRD-ST2CD220J	AA			22 ohms,1/6W
R316	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R322	VRS-CY1JB681J	AA			680 ohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R323	VRS-CY1JB683J	AA			68 kohms,1/16W
R325	VRS-CY1JB473J	AA			47 kohms,1/16W
R327	VRS-CY1JB330J	AA			33 ohms,1/16W
R336	VRS-CY1JB103J	AA			10 kohm,1/16W
R350	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R351	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R352	VRS-CY1JB102J	AA			1 kohm,1/16W
R353	VRS-CY1JB271J	AA			270 ohms,1/16W
R355	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R356	VRS-CY1JB102J	AA			1 kohm,1/16W
R357	VRS-CY1JB474J	AA			470 kohms,1/16W
R358	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R359	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R360	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R365	VRS-CY1JB103J	AA			10 kohm,1/16W
R372	VRS-CY1JB102J	AA			1 kohm,1/16W
R373	VRS-CY1JB102J	AA			1 kohm,1/16W
R374	VRS-CY1JB102J	AA			1 kohm,1/16W
R375	VRD-ST2CD471J	AA			470 ohms,1/6W
R376	VRS-CY1JB102J	AA			1 kohm,1/16W
R377	VRS-CY1JB473J	AA			47 kohms,1/16W
R378	VRS-CY1JB102J	AA			1 kohm,1/16W
R379	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R380	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R381	VRS-CY1JB103J	AA			10 kohm,1/16W
R382	VRD-ST2EE151J	AA			150 ohms,1/4W
R383	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R384	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R385	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R386	VRD-ST2CD223J	AA			22 kohms,1/6W
R387	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R388	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R391	VRD-ST2EE271J	AA			270 ohms,1/4W
R392	VRD-ST2EE271J	AA			270 ohms,1/4W
R393	VRS-CY1JB102J	AA			1 kohm,1/16W
R395	VRS-CY1JB473J	AA			47 kohms,1/16W
R501	VRD-ST2EE101J	AA			100 ohm,1/4W
R504	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R507	VRS-CY1JB103J	AA			10 kohm,1/16W
R508	VRS-CY1JB103J	AA			10 kohm,1/16W
R509	VRS-CY1JB104J	AA			100 kohm,1/16W
R510	VRS-CY1JB103J	AA			10 kohm,1/16W
R511	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R512	VRS-CY1JB104J	AA			100 kohm,1/16W
R513	VRS-CY1JB102J	AA			1 kohm,1/16W
R514	VRS-CY1JB221J	AA			220 ohms,1/16W
R516	VRS-CY1JB104J	AA			100 kohm,1/16W
R517	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R519	VRD-ST2CD473J	AA			47 kohms,1/6W
R523	VRS-CY1JB103J	AA			10 kohm,1/16W
R524	VRS-CY1JB101J	AA			100 ohm,1/16W
R527	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R528	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R530	VRS-CY1JB183J	AA			18 kohms,1/16W
R531	VRS-CY1JB104J	AA			100 kohm,1/16W
R534	VRS-CY1JB102J	AA			1 kohm,1/16W
R535	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R537	VRS-CY1JB123J	AA			12 kohms,1/16W
R538	VRS-CY1JB183J	AA			18 kohms,1/16W
R539	VRS-CY1JB183J	AA			18 kohms,1/16W
R540	VRS-CY1JB102J	AA			1 kohm,1/16W
R541	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R542	VRS-CY1JB103J	AA			10 kohm,1/16W
R543	VRS-CY1JB471J	AA			470 ohms,1/16W
R544	VRS-CY1JB103J	AA			10 kohm,1/16W
R545	VRD-ST2CD220J	AA			22 ohms,1/6W
R549	VRD-ST2CD181J	AA			180 ohms,1/6W
R551	VRD-ST2CD181J	AA			180 ohms,1/6W
R553	VRS-CY1JB823J	AA			82 kohms,1/16W
R554	VRS-CY1JB823J	AA			82 kohms,1/16W
R556	VRS-CY1JB473J	AA			47 kohms,1/16W
R601	VRD-ST2CD103J	AA			10 kohm,1/6W
R602	VRD-ST2CD103J	AA			10 kohm,1/6W
R603	VRD-ST2CD331J	AA			330 ohms,1/6W
R604	VRD-ST2CD331J	AA			330 ohms,1/6W
R605	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R606	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R607	VRS-CY1JB153J	AA			15 kohms,1/16W
R608	VRS-CY1JB153J	AA			15 kohms,1/16W
R609	VRS-CY1JB391J	AA			390 ohms,1/16W
R610	VRS-CY1JB391J	AA			390 ohms,1/16W
R611	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R612	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R613	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R614	VRS-CY1JB682J	AA			6.8 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R615	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R616	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R617	VRD-ST2CD102J	AA			1 kohm,1/6W
R618	VRD-ST2CD102J	AA			1 kohm,1/6W
R619	VRD-ST2CD102J	AA			1 kohm,1/6W
R620	VRS-CY1JB123J	AA			12 kohms,1/16W
R621	VRS-CY1JB123J	AA			12 kohms,1/16W
R622	VRS-CY1JB103J	AA			10 kohm,1/16W
R623	VRS-CY1JB103J	AA			10 kohm,1/16W
R624	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R625	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R626	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R627	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R628	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R629	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R630	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R631	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R632	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R633	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R634	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R635	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R636	VRS-CY1JB223J	AA			22 kohms,1/16W
R637	VRS-CY1JB223J	AA			22 kohms,1/16W
R638	VRS-CY1JB102J	AA			1 kohm,1/16W
R640	VRS-CY1JB102J	AA			1 kohm,1/16W
R643	VRD-ST2CD820J	AA			82 ohms,1/6W
R644	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R645	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R646	VRS-CY1JB221J	AA			220 ohms,1/16W
R647	VRS-CY1JB101J	AA			100 ohm,1/16W
R648	VRS-CY1JB221J	AA			220 ohms,1/16W
R649	VRS-CY1JB221J	AA			220 ohms,1/16W
R650	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R660	VRS-CY1JB103J	AA			10 kohm,1/16W
R661	VRS-CY1JB103J	AA			10 kohm,1/16W
R662	VRS-CY1JB273J	AA			27 kohms,1/16W
R663	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R664	VRS-CY1JB273J	AA			27 kohms,1/16W
R665	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R667	VRS-CY1JB223J	AA			22 kohms,1/16W
R668	VRS-CY1JB223J	AA			22 kohms,1/16W
R669	VRS-CY1JB393J	AA			39 kohms,1/16W
R670	VRS-CY1JB333J	AA			33 kohms,1/16W
R671	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R672	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R673	VRS-CY1JB223J	AA			22 kohms,1/16W
R675	VRS-CY1JB103J	AA			10 kohm,1/16W
R676	VRS-CY1JB333J	AA			33 kohms,1/16W
R679	VRS-CY1JB223J	AA			22 kohms,1/16W
R680	VRS-CY1JB223J	AA			22 kohms,1/16W
R687	VRS-CY1JB334J	AA			330 kohms,1/16W
R690	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R691	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R692	VRD-ST2CD393J	AA			39 kohms,1/6W
R693	VRD-ST2CD393J	AA			39 kohms,1/6W
R701	VRS-CY1JB102J	AA			1 kohm,1/16W
R702	VRD-ST2CD102J	AA			1 kohm,1/6W
R703	VRD-ST2CD102J	AA			1 kohm,1/6W
R704	VRD-ST2CD102J	AA			1 kohm,1/6W
R705	VRD-ST2CD102J	AA			1 kohm,1/6W
R706	VRD-ST2CD102J	AA			1 kohm,1/6W
R707	VRD-ST2CD102J	AA			1 kohm,1/6W
R708	VRD-ST2CD102J	AA			1 kohm,1/6W
R709	VRD-ST2CD102J	AA			1 kohm,1/6W
R710	VRD-ST2CD102J	AA			1 kohm,1/6W
R711	VRD-ST2CD102J	AA			1 kohm,1/6W
R713	VRD-ST2CD103J	AA			10 kohm,1/6W
R714	VRD-ST2CD121J	AA			120 ohms,1/6W
R715	VRD-ST2CD121J	AA			120 ohms,1/6W
R716	VRD-ST2CD121J	AA			120 ohms,1/6W
R717	VRD-ST2CD102J	AA			1 kohm,1/6W
R718	VRD-ST2CD102J	AA			1 kohm,1/6W
R719	VRD-ST2CD102J	AA			1 kohm,1/6W
R720	VRD-ST2CD102J	AA			1 kohm,1/6W
R721	VRD-ST2CD102J	AA			1 kohm,1/6W
R722	VRD-ST2CD102J	AA			1 kohm,1/6W
R723	VRD-ST2CD102J	AA			1 kohm,1/6W
R724	VRD-ST2CD102J	AA			1 kohm,1/6W
R725	VRD-ST2CD121J	AA			120 ohms,1/6W
R726	VRD-ST2CD102J	AA			1 kohm,1/6W
R727	VRD-ST2CD103J	AA			10 kohm,1/6W
R728	VRD-ST2CD561J	AA			560 ohms,1/6W
R729	VRD-ST2CD102J	AA			1 kohm,1/6W
R730	VRD-ST2CD681J	AA			680 ohms,1/6W
R731	VRD-ST2CD222J	AA			2.2 kohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R732	VRS-CY1JB681J	AA			680 ohms,1/16W
R733	VRD-ST2CD102J	AA			1 kohm,1/6W
R734	VRD-ST2CD102J	AA			1 kohm,1/6W
R735	VRD-ST2CD102J	AA			1 kohm,1/6W
R736	VRD-ST2CD102J	AA			1 kohm,1/6W
R737	VRD-ST2CD102J	AA			1 kohm,1/6W
R738	VRD-ST2CD102J	AA			1 kohm,1/6W
R739	VRD-ST2CD102J	AA			1 kohm,1/6W
R740	VRD-ST2CD102J	AA			1 kohm,1/6W
R741	VRD-ST2CD102J	AA			1 kohm,1/6W
R742	VRD-ST2CD102J	AA			1 kohm,1/6W
R743	VRD-ST2CD102J	AA			1 kohm,1/6W
R744	VRD-ST2CD102J	AA			1 kohm,1/6W
R745	VRD-ST2CD102J	AA			1 kohm,1/6W
R746	VRS-CY1JB103J	AA			10 kohm,1/16W
R747	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R750	VRD-ST2CD473J	AA			47 kohms,1/6W
R752	VRD-ST2CD103J	AA			10 kohm,1/6W
R753	VRD-ST2CD103J	AA			10 kohm,1/6W
R754	VRD-ST2CD331J	AA			330 ohms,1/6W
R755	VRD-ST2CD822J	AA			8.2 kohms,1/6W
R756	VRD-ST2CD822J	AA			8.2 kohms,1/6W
R757	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R758	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R759	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R760	VRS-CY1JB103J	AA			10 kohm,1/16W
R761	VRS-CY1JB103J	AA			10 kohm,1/16W
R762	VRS-CY1JB103J	AA			10 kohm,1/16W
R763	VRD-ST2CD103J	AA			10 kohm,1/6W
R764	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R765	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R766	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R767	VRD-ST2CD102J	AA			1 kohm,1/6W
R768	VRD-ST2CD102J	AA			1 kohm,1/6W
R769	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R770	VRD-ST2CD103J	AA			10 kohm,1/6W
R771	VRD-ST2CD103J	AA			10 kohm,1/6W
R772	VRD-ST2CD103J	AA			10 kohm,1/6W
R773	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R774	VRS-CY1JB103J	AA			10 kohm,1/16W
R775	VRS-CY1JB103J	AA			10 kohm,1/16W
R776	VRD-ST2CD473J	AA			47 kohms,1/6W
R777	VRD-ST2CD104J	AA			100 kohm,1/6W
R778	VRS-CY1JB101J	AA			100 ohm,1/16W
R779	VRD-ST2CD103J	AA			10 kohm,1/6W
R780	VRD-ST2CD103J	AA			10 kohm,1/6W
R781	VRD-ST2CD103J	AA			10 kohm,1/6W
R782	VRD-ST2CD103J	AA			10 kohm,1/6W
R783	VRD-ST2CD103J	AA			10 kohm,1/6W
R784	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R785	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R786	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R787	VRS-CY1JB104J	AA			100 kohm,1/16W
R788	VRD-ST2CD103J	AA			10 kohm,1/6W
R795	VRD-ST2CD102J	AA			1 kohm,1/6W
R796	VRD-ST2CD102J	AA			1 kohm,1/6W
R797	VRD-ST2CD102J	AA			1 kohm,1/6W
R798	VRD-ST2CD102J	AA			1 kohm,1/6W
R799	VRD-ST2CD102J	AA			1 kohm,1/6W
R802	VRD-ST2CD473J	AA			47 kohms,1/6W
R803	VRD-RT2HD222J	AA			2.2 kohms,1/2W
R804	VRD-ST2EE101J	AA			100 ohm,1/4W
R805	VRD-ST2CD473J	AA			47 kohms,1/6W
R806	VRD-ST2CD123J	AA			12 kohms,1/6W
R807	VRD-ST2EE470J	AA			47 ohms,1/4W
R808	VRD-ST2EE470J	AA			47 ohms,1/4W
R809	VRD-ST2CD104J	AA			100 kohm,1/6W
R810	VRD-ST2CD103J	AA			10 kohm,1/6W
R811	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R812	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R813	VRS-CY1JB102J	AA			1 kohm,1/16W
R814	VRD-ST2CD103J	AA			10 kohm,1/6W
R818	VRD-ST2CD223J	AA			22 kohms,1/6W
R819	VRD-ST2CD223J	AA			22 kohms,1/6W
R820	VRD-ST2CD223J	AA			22 kohms,1/6W
R825	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R829	VRS-CY1JB223J	AA			22 kohms,1/16W
R830	VRS-CY1JB223J	AA			22 kohms,1/16W
R831	VRS-CY1JB473J	AA			47 kohms,1/16W
R832	VRS-CY1JB473J	AA			47 kohms,1/16W
R833	VRS-CY1JB681J	AA			680 ohms,1/16W
R834	VRD-ST2EE473J	AA			47 kohms,1/4W
R835	VRD-ST2EE473J	AA			47 kohms,1/4W
R836	VRD-ST2EE393J	AA			39 kohms,1/4W
R837	VRD-ST2EE393J	AA			39 kohms,1/4W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R850	VRD-ST2CD5R6J	AA			5.6 ohms,1/6W
R851	VRD-ST2CD471J	AA			470 ohms,1/6W
R852	VRD-ST2CD560J	AA			56 ohms,1/6W
R854	VRD-ST2CD101J	AA			100 ohm,1/6W
R855	VRD-ST2CD331J	AA			330 ohms,1/6W
R902	VRS-CY1JB563J	AA			56 kohms,1/16W
R903	VRS-CY1JB563J	AA			56 kohms,1/16W
R904	VRS-CY1JB102J	AA			1 kohm,1/16W
R905	VRS-CY1JB561J	AA			560 ohms,1/16W
R906	VRS-CY1JB561J	AA			560 ohms,1/16W
R907	VRS-CY1JB563J	AA			56 kohms,1/16W
R908	VRS-CY1JB563J	AA			56 kohms,1/16W
R909	VRS-CY1JB333J	AA			33 kohms,1/16W
R910	VRS-CY1JB102J	AA			1 kohm,1/16W
R911	VRS-CY1JB102J	AA			1 kohm,1/16W
⚠ R912	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
⚠ R913	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
R914	VRN-VV3LAR22J	AC			0.22 ohms,3W
R915	VRN-VV3LAR22J	AC			0.22 ohms,3W
R916	VRN-VV3LAR10J	AD			0.1 ohm,3W
R917	VRN-VV3LAR10J	AD			0.1 ohm,3W
R918	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R919	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R920	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R921	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R922	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R923	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R924	VRS-CY1JB563J	AA			56 kohms,1/16W
R925	VRS-CY1JB563J	AA			56 kohms,1/16W
R926	VRS-CY1JB563J	AA			56 kohms,1/16W
R927	VRD-RT2HD100J	AA			10 ohm,1/2W
R928	VRD-RT2HD100J	AA			10 ohm,1/2W
R929	VRD-RT2HD100J	AA			10 ohm,1/2W
R930	VRD-RT2HD100J	AA			10 ohm,1/2W
R933	VRS-CY1JB563J	AA			56 kohms,1/16W
R934	VRS-CY1JB563J	AA			56 kohms,1/16W
R935	VRS-CY1JB102J	AA			1 kohm,1/16W
R936	VRS-CY1JB102J	AA			1 kohm,1/16W
R937	VRS-CY1JB563J	AA			56 kohms,1/16W
R938	VRS-CY1JB563J	AA			56 kohms,1/16W
R939	VRS-CY1JB561J	AA			560 ohms,1/16W
R940	VRS-CY1JB561J	AA			560 ohms,1/16W
R941	VRS-CY1JB333J	AA			33 kohms,1/16W
⚠ R942	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
⚠ R943	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
R944	VRS-CY1JB102J	AA			1 kohm,1/16W
R945	VRS-CY1JB102J	AA			1 kohm,1/16W
R946	VRN-VV3LAR22J	AC			0.22 ohms,3W
R947	VRN-VV3LAR22J	AC			0.22 ohms,3W
R948	VRN-VV3LAR10J	AD			0.1 ohm,3W
R949	VRN-VV3LAR10J	AD			0.1 ohm,3W
R950	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R951	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R952	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R953	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R954	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R955	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R956	VRS-CY1JB563J	AA			56 kohms,1/16W
R957	VRS-CY1JB563J	AA			56 kohms,1/16W
R958	VRS-CY1JB563J	AA			56 kohms,1/16W
R959	VRD-RT2HD100J	AA			10 ohm,1/2W
R960	VRD-RT2HD100J	AA			10 ohm,1/2W
R961	VRD-RT2HD100J	AA			10 ohm,1/2W
R962	VRD-RT2HD100J	AA			10 ohm,1/2W
R963	VRS-VV3DA391J	AC			390 ohms,2W
R964	VRS-VV3DA391J	AC			390 ohms,2W
R965	VRS-CY1JB473J	AA			47 kohms,1/16W
R966	VRS-CY1JB102J	AA			1 kohm,1/16W
R969	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R970	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R971	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R972	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R973	VRD-RT2HD102J	AA			1 kohm,1/2W
R974	VRS-CY1JB153J	AA			15 kohms,1/16W
R975	VRS-CY1JB683J	AA			68 kohms,1/16W
R976	VRS-CY1JB102J	AA			1 kohm,1/16W
R977	VRD-ST2EE221J	AA			220 ohms,1/4W
R978	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R987	VRS-CY1JB333J	AA			33 kohms,1/16W
R988	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R989	VRS-CY1JB153J	AA			15 kohms,1/16W
R3001	VRS-CY1JB123J	AA			12 kohms,1/16W
R3002	VRS-CY1JB153J	AA			15 kohms,1/16W
R3003	VRS-CY1JB103J	AA			10 kohm,1/16W
R3004	VRS-CY1JB103J	AA			10 kohm,1/16W

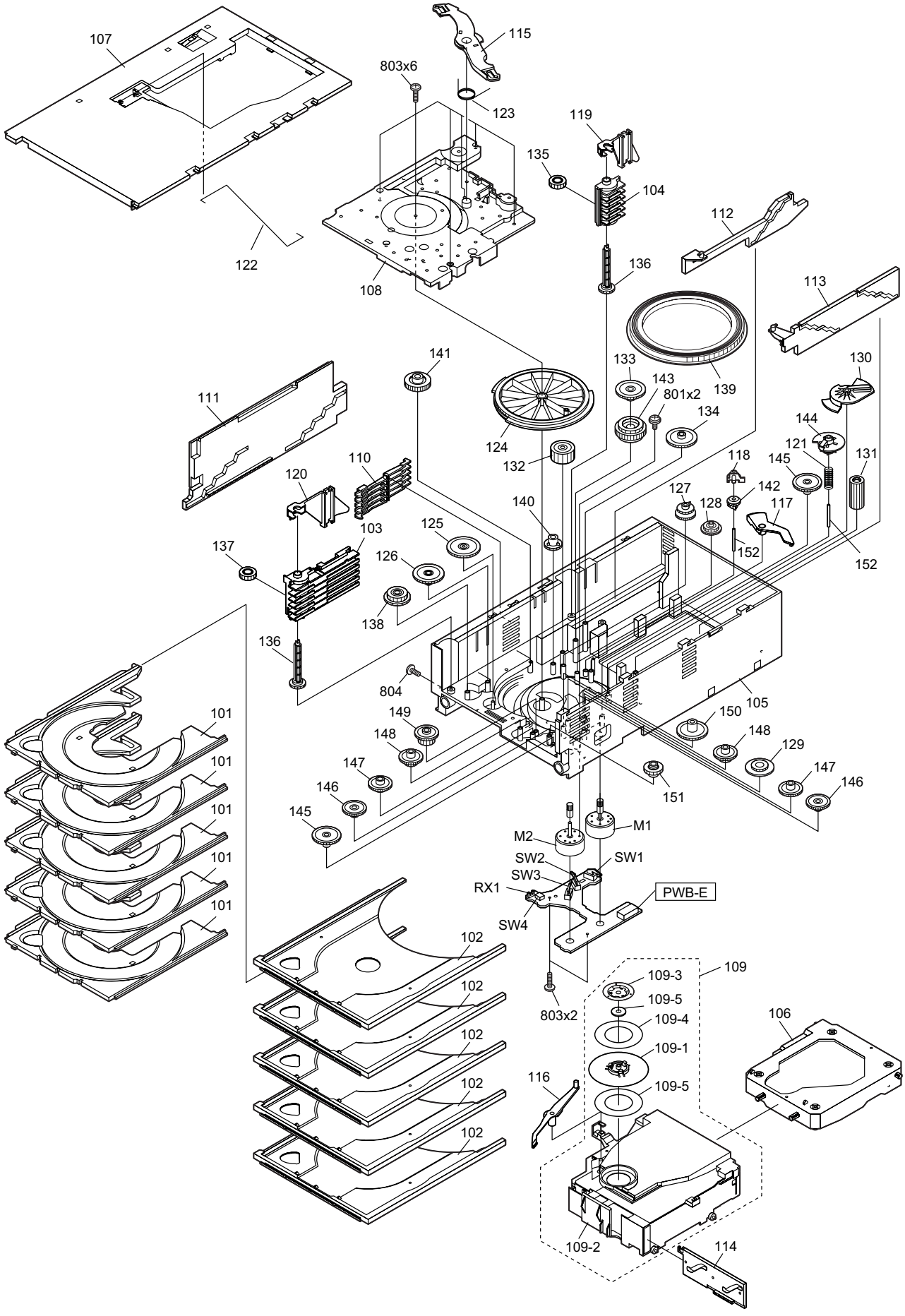
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R3005	VRS-CY1JB103J	AA			10 kohm,1/16W
R3006	VRS-CY1JB103J	AA			10 kohm,1/16W
R3007	VRS-CY1JB473J	AA			47 kohms,1/16W
R3008	VRS-CY1JB223J	AA			22 kohms,1/16W
R3009	VRS-CY1JB223J	AA			22 kohms,1/16W
R3010	VRS-CY1JB103J	AA			10 kohm,1/16W
R3011	VRS-CY1JB103J	AA			10 kohm,1/16W
R3012	VRS-CY1JB100J	AA			10 ohm,1/16W
R3013	VRS-CY1JB102J	AA			1 kohm,1/16W
R3014	VRS-CY1JB100J	AA			10 ohm,1/16W
R3015	VRS-CY1JB102J	AA			1 kohm,1/16W
R3016	VRS-CY1JB821J	AA			820 ohms,1/16W
R3017	VRS-CY1JB681J	AA			680 ohms,1/16W
R3018	VRS-CY1JB333J	AA			33 kohms,1/16W
R3019	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3020	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3021	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3022	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3023	VRS-CY1JB271J	AA			270 ohms,1/16W
R3024	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3025	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3026	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3027	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3028	VRS-CY1JB225J	AA			2.2 Mohms,1/16W
R3029	VRS-CY1JB473J	AA			47 kohms,1/16W
R3030	VRS-CY1JB473J	AA			47 kohms,1/16W
R3031	VRS-CY1JB125J	AA			1.2 Mohms,1/16W
R3032	VRS-CY1JB473J	AA			47 kohms,1/16W
R3033	VRS-CY1JB473J	AA			47 kohms,1/16W
R3034	VRS-CY1JB824J	AA			820 kohms,1/16W
R3035	VRS-CY1JB225J	AA			2.2 Mohms,1/16W
R3036	VRS-CY1JB103J	AA			10 kohm,1/16W
R3037	VRS-CY1JB273J	AA			27 kohms,1/16W
R3038	VRS-CY1JB103J	AA			10 kohm,1/16W
R3039	VRS-CY1JB273J	AA			27 kohms,1/16W
R3040	VRS-CY1JB125J	AA			1.2 Mohms,1/16W
R3041	VRS-CY1JB824J	AA			820 kohms,1/16W
R3042	VRS-CY1JB473J	AA			47 kohms,1/16W
R3043	VRS-CY1JB473J	AA			47 kohms,1/16W
R3044	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3045	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3046	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3047	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3048	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3101	VRS-CY1JB473J	AA			47 kohms,1/16W
R3102	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R3103	VRS-CY1JB103J	AA			10 kohm,1/16W
R3104	VRS-CY1JB683J	AA			68 kohms,1/16W
R3105	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3106	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3107	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3108	VRS-CY1JB333J	AA			33 kohms,1/16W
R3109	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3110	VRS-CY1JB333J	AA			33 kohms,1/16W
R3111	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3113	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3114	VRS-CY1JB223J	AA			22 kohms,1/16W
R3115	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3116	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3117	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3118	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3120	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3201	VRS-CY1JB105J	AA			1 Mohm,1/16W
R3202	VRS-CY1JB150J	AB			15 ohms,1/16W
R3203	VRS-CY1JB104J	AA			100 kohm,1/16W
R3204	VRS-CY1JB333J	AA			33 kohms,1/16W
R3205	VRS-CY1JB102J	AA			1 kohm,1/16W
R3206	VRS-CY1JB102J	AA			1 kohm,1/16W
R3207	VRS-CY1JB102J	AA			1 kohm,1/16W
R3208	VRS-CY1JB102J	AA			1 kohm,1/16W
R3209	VRS-CY1JB102J	AA			1 kohm,1/16W
R3210	VRS-CY1JB473J	AA			47 kohms,1/16W
R3211	VRS-CY1JB473J	AA			47 kohms,1/16W
R3213	VRS-CY1JB681J	AA			680 ohms,1/16W
R3215	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R3216	VRS-CY1JB223J	AA			22 kohms,1/16W
R3217	VRS-CY1JB223J	AA			22 kohms,1/16W
R3218	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R3219	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R3220	VRS-CY1JB103J	AA			10 kohm,1/16W
R3221	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3222	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R3223	VRS-CY1JB103J	AA			10 kohm,1/16W
R3224	VRS-CY1JB103J	AA			10 kohm,1/16W
R3225	VRS-CY1JB273J	AA			27 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
R3226	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3227	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3228	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3230	VRS-CY1JB103J	AA			10 kohm,1/16W
R3231	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3301	VRS-CY1JB102J	AA			1 kohm,1/16W
R3302	VRS-CY1JB102J	AA			1 kohm,1/16W
R3309	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3311	VRS-CY1JB101J	AA			100 ohm,1/16W
R3313	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3316	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3317	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3318	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3401	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3402	VRS-CY1JB103J	AA			10 kohm,1/16W
R3403	VRS-CY1JB123J	AA			12 kohms,1/16W
R3404	VRS-CY1JB102J	AA			1 kohm,1/16W
R3405	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R3406	VRS-CY1JB183J	AA			18 kohms,1/16W
R3501	VRS-CY1JB103J	AA			10 kohm,1/16W
R3502	VRS-CY1JB103J	AA			10 kohm,1/16W
R3503	VRS-CY1JB103J	AA			10 kohm,1/16W
R3504	VRS-CY1JB473J	AA			47 kohms,1/16W
R3505	VRS-CY1JB102J	AA			1 kohm,1/16W
R3701	VRS-CY1JB391J	AA			390 ohms,1/16W
R3702	VRS-CY1JB391J	AA			390 ohms,1/16W
R3703	VRS-CY1JB391J	AA			390 ohms,1/16W
R3704	VRS-CY1JB391J	AA			390 ohms,1/16W
R3705	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R7001	VRD-ST2CD750J	AA			75 ohms,1/6W
R7002	VRD-ST2CD750J	AA			75 ohms,1/6W
R7003	VRD-ST2CD750J	AA			75 ohms,1/6W
R7005	VRD-ST2CD750J	AA			75 ohms,1/6W
R7006	VRD-ST2CD750J	AA			75 ohms,1/6W
R7007	VRD-ST2CD750J	AA			75 ohms,1/6W
RC1	VRD-ST2CD391J	AA			390 ohms,1/6W
RC2	VRD-ST2CD821J	AA			820 ohms,1/6W
RC3	VRD-ST2CD221J	AA			220 ohms,1/6W
RC4	VRD-ST2CD102J	AA			1 kohm,1/6W
RC5	VRD-ST2CD332J	AA			3.3 kohms,1/6W
RC6	VRD-ST2CD112J	AA			1.1 kohms,1/6W
RC7	VRD-ST2CD332J	AA			3.3 kohms,1/6W
RC8	VRD-ST2CD121J	AA			120 ohms,1/6W
RD01	VRS-CY1JB681J	AA			680 ohms,1/16W
RD02	VRS-CY1JB821J	AA			820 ohms,1/16W
RD03	VRS-CY1JB102J	AA			1 kohm,1/16W
RD04	VRD-ST2CD152J	AA			1.5 kohms,1/6W
RD05	VRD-ST2CD222J	AA			2.2 kohms,1/6W
RD06	VRD-ST2CD272J	AA			2.7 kohms,1/6W
RD07	VRS-CY1JB392J	AA			3.9 kohms,1/16W
RD11	VRS-CY1JB681J	AA			680 ohms,1/16W
RD12	VRS-CY1JB821J	AA			820 ohms,1/16W
RD13	VRD-ST2CD102J	AA			1 kohm,1/6W
RD14	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RD22	VRS-CY1JB681J	AA			680 ohms,1/16W
RD23	VRD-ST2CD821J	AA			820 ohms,1/6W
RD24	VRD-ST2CD102J	AA			1 kohm,1/6W
RD25	VRD-ST2CD152J	AA			1.5 kohms,1/6W
RD26	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RD27	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RD28	VRS-CY1JB392J	AA			3.9 kohms,1/16W
RD29	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RD30	VRS-CY1JB103J	AA			10 kohm,1/16W
RD31	VRS-CY1JB153J	AA			15 kohms,1/16W
RD32	VRS-CY1JB333J	AA			33 kohms,1/16W
RK1	VRD-ST2CD103J	AA			10 kohm,1/6W
RK2	VRD-ST2CD563J	AA			56 kohms,1/6W
RK3	VRD-ST2CD563J	AA			56 kohms,1/6W
RK4	VRD-ST2CD103J	AA			10 kohm,1/6W
RK7	VRD-ST2CD102J	AA			1 kohm,1/6W
RK8	VRD-ST2CD562J	AA			5.6 kohms,1/6W
RK9	VRD-ST2CD102J	AA			1 kohm,1/6W
RK10	VRD-ST2CD102J	AA			1 kohm,1/6W
RK11	VRD-ST2CD102J	AA			1 kohm,1/6W
RK12	VRD-ST2CD101J	AA			100 ohm,1/6W
RK13	VRD-ST2CD122J	AA			1.2 kohms,1/6W
RK14	VRD-RT2HD101J	AA			100 ohm,1/2W
RK15	VRD-RT2HD101J	AA			100 ohm,1/2W
RK36	VRD-ST2CD391J	AA			390 ohms,1/6W
RK37	VRD-ST2CD391J	AA			390 ohms,1/6W
RK38	VRD-ST2CD101J	AA			100 ohm,1/6W
RK39	VRD-ST2CD182J	AA			1.8 kohms,1/6W
RK40	VRD-ST2CD182J	AA			1.8 kohms,1/6W
RK41	VRD-ST2CD103J	AA			10 kohm,1/6W
RK42	VRD-ST2CD103J	AA			10 kohm,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] RESISTORS					
RK43	VRD-ST2CD183J	AA			18 kohms,1/6W
RK44	VRD-ST2CD682J	AA			6.8 kohms,1/6W
RK45	VRD-ST2CD682J	AA			6.8 kohms,1/6W
RK46	VRD-ST2CD183J	AA			18 kohms,1/6W
RK47	VRD-ST2CD822J	AA			8.2 kohms,1/6W
RK48	VRD-ST2CD103J	AA			10 kohm,1/6W
RK49	VRD-ST2CD103J	AA			10 kohm,1/6W
RK50	VRD-ST2CD103J	AA			10 kohm,1/6W
RK70	VRD-ST2CD102J	AA			1 kohm,1/6W
RK71	VRD-ST2CD562J	AA			5.6 kohms,1/6W
RK72	VRD-ST2CD472J	AA			4.7 kohms,1/6W
RK73	VRD-ST2CD472J	AA			4.7 kohms,1/6W
RK80	VRD-ST2CD123J	AA			12 kohms,1/6W
RK81	VRD-ST2CD123J	AA			12 kohms,1/6W
[12] OTHER CIRCUITRY PARTS					
Bi601	QCNWNA272AWPZ	AL			Connector Ass'y,13/13Pin with CNS601
Bi603	QCNWN2714AWPZ	AK			Connector Ass'y,6/5Pin with CNS603
Bi701	QCNWNA275AWPZ	AG			Connector Ass'y,8/7Pin with CNS701
Bi702	QCNWNA267AWPZ	AF			Connector Ass'y,6/6Pin with CNS702
Bi801	QCNWNA270AWPZ	AK			Connector Ass'y,11/10Pin
Bi902	QCNWN2561AWZZ	AE			Connector Ass'y,3/3Pin
BiK1	QCNWN2721AWPZ	AK			Connector Ass'y,12/11Pin,with CNSK1
CN3001	QCNCWXM24AFZZ	AG			Socket,24Pin
CN3002	QCNCM970BAFZZ	AD			Plug,2Pin
CN3003	QCNCM970GAFZZ	AG			Plug,7Pin
CN3004	QCNCWYH10AWZZ	AC			Socket,10Pin
CN3005	QCNCWZX11AWZZ	AC			Socket,11Pin
CN3006	92LCONEBP53254	AD			Plug,11Pin
CN3007	QCNCM970JAFZZ	AG			Plug,9Pin
CN3009	QCNCWYH08AWZZ	AC			Socket,8Pin
CN3011	92LCONE3P53254	AB			Plug,3Pin
CNP4A	QCNCWZO11AWZZ	AC			Socket,11Pin
CNP101	QCNCM705CAFZZ	AA			Plug,3Pin
CNP102	QCNCM705GAFZZ	AB			Plug,7Pin
CNP103	QCNCM010KAWZZ	AC			Socket,10Pin
CNP301	92LCONE2P5268	AB			Plug,2Pin
CNP303	QCNCM010PAWZZ	AD			Plug,14Pin
CNP501	QCNCM704BAFZZ	AA			Plug,2Pin
CNP502	QCNCM705BAFZZ	AA			Plug,2Pin
CNP603	92LCONE5P53253	AB			Plug,5Pin
CNP701A	QCNCWZY26AWZZ	AD			Socket,26Pin
CNP701B	QCNCWZX26AWZZ	AD			Socket,26Pin
CNP702	QCNCWZY09AWZZ	AC			Socket,9Pin
CNP703	QCNCWYH10AWZZ	AC			Socket,10Pin
CNP704	QCNCWYH08AWZZ	AC			Socket,8Pin
CNP801	QCNCM035KAWZZ	AC			Plug,10Pin
CNP802	92LCONE6P53253	AC			Plug,6Pin
CNP805	QCNCM049BAWZZ	AC			Plug,2Pin
CNP901	QCNCW012EAWZZ	AC			Socket,5Pin
CNP903	QCNCM705CAFZZ	AA			Pulg, Pin
CNP971	92LCONE2P53253	AB			Plug,2Pin
CNP7001	92LCONE9P53253	AC			Plug,9Pin
CNP7002	92LCONE3P5268	AC			Plug,3Pin
CNP7003	92LCONE3P53253	AB			Plug,3Pin
CNP7004	92LCONE2P53253	AB			Plug,2Pin
CNPC1	92LCONE4P53253	AB			Plug,4Pin
CNPK1	92LCONEBP53253	AC			Plug,11Pin
CNS2	QCNWNA064AWPZ	AE			Connector Ass'y,2Pin
CNS103	QCNCW010KAWZZ	AD			Connector Ass'y,10Pin
CNS303	QCNCW010PAWZZ	AE			Socket,14Pin
CNS971	QCNWNA080AWPZ	AC			Connector Ass'y,2Pin
CNSC1	QCNWNA425AWPZ	AE			Connector Ass'y,4Pin
⚠ F801	QFS-D502ABGNi	AC			Fuse,T5A L 250V
⚠ F802	QFS-D502ABGNi	AC			Fuse,T5A L 250V
⚠ F803	QFS-D202ABGNi	AC			Fuse,T2A L 250V
⚠ F804	QFS-D202ABGNi	AC			Fuse,T2A L 250V
⚠ F805	92LFUSET802E	AD			Fuse,T8A L 250V
⚠ F806	QFS-D402ABGNi	AC			Fuse,T4A L 250V
⚠ F807	QFS-D402ABGNi	AC			Fuse,T4A L 250V
FFC1	QCNWNA069AWPZ	AG			Flat Cable,24Pin
FFC4	QCNWN2701AWPZ	AD			Flat Cable,11Pin
FFC701	QCNWNA271AWPZ	AG			Flat Cable,26Pin
FFC702	QCNWN2496AWZZ	AD			Flat Cable,9Pin
FFC703	QCNWNA273AWPZ	AD			Flat Cable,10Pin
FFC704	QCNWNA274AWPZ	AD			Flat Cable,8Pin
FL701	VVKNA11SS55-1	AV			FL Display
FW901	QCNWN2711AWPZ	AD			Flat Wire,5Pin

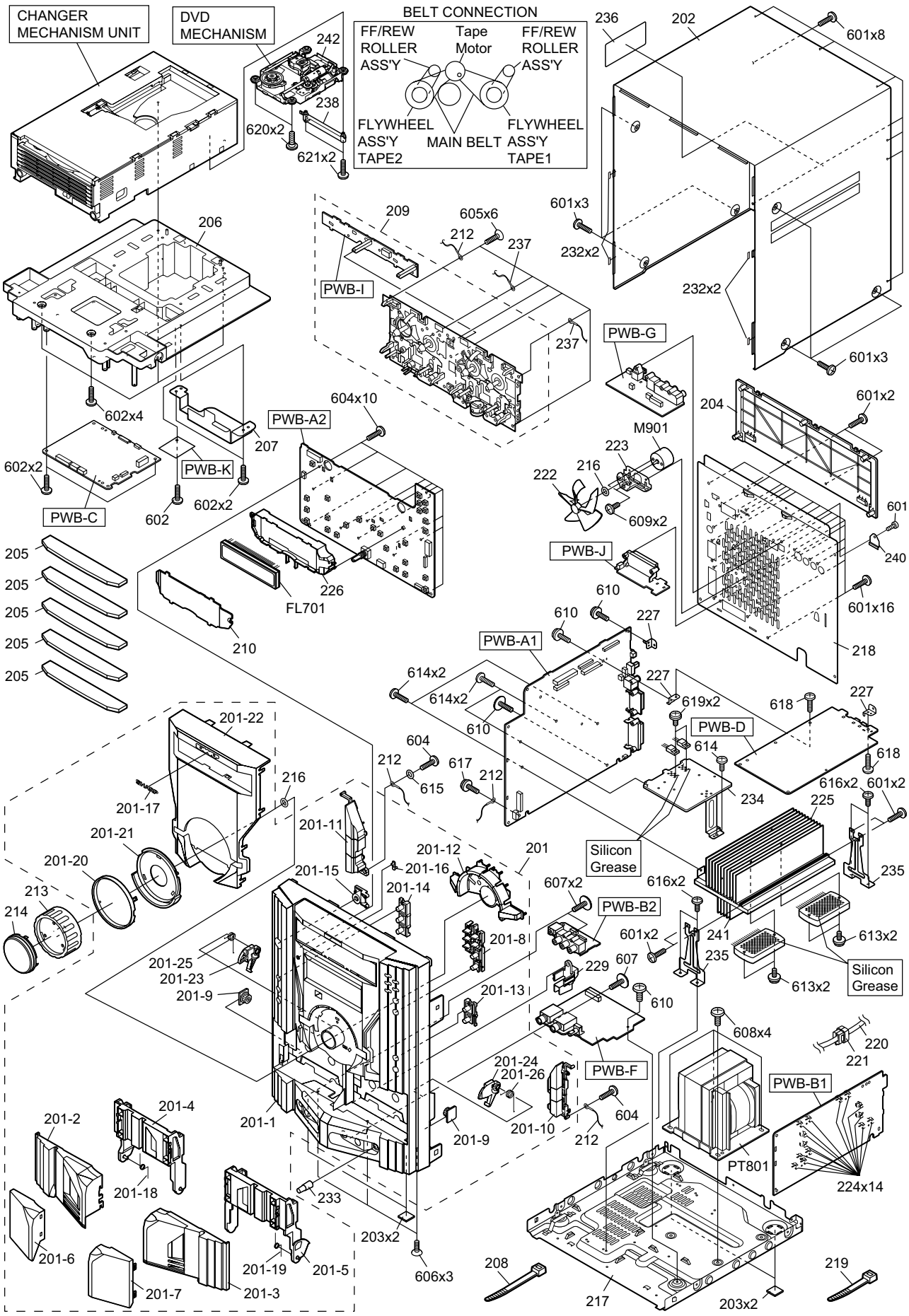
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] OTHER CIRCUITRY PARTS					
iC501	VHPTOTX141/-1	AK			Digital Out Terminal,TOTX141
JK1	QJAKJ0012AWZZ	AF			Jack,Mic 1
JK2	QJAKJ0012AWZZ	AF			Jack,Mic 2
JK690	QSOCJ0313AWZZ	AF			Jack,Game Input
JK690A	QSOCJ0312AWZZ	AG			Jack,RGB Out
JK691	QSOCJ0120AWZZ	AD			Jack,Video Out
JK692	QJAKM0004AWZZ	AK			Jack,Headphones
JOG701	QSW-ZA001AWZZ	AE			Switch,Jog Type [Volume]
LG1	QLUGPA001AWZZ	AC			Lug
LG2	QLUGPA001AWZZ	AC			Lug
LG3	QLUGPA001AWZZ	AC			Lug
LG4	QLUGPA001AWZZ	AC			Lug
M1	92LMTR5529BASY	AD			Motor with Gear [Tray]
M2	92LMTR5529BASY	AD			Motor with Gear [Main Cam]
M901	RMOTV0059AWZZ	AL			Motor,Fan
NM1	92LMTR5515CASY	AS			Motor with Chassis [Spindle]
NM2	92LMTR1854BASY	AP			Motor with Gear [Sled]
NSW1	QSW-M0027GEZZ	AD			Switch,Push Type [Pickup In]
RL901	RRLYD0016AWZZ	AH			Relay
RL902	RRLYD0016AWZZ	AH			Relay
RX1	VHPGP1S094HCZ	AF			Photo Interrupter
RX701	VHLK603TH2E-1	AG			Remote Sensor
SO302	QTANC0206AWZZ	AD			FM Terminal
SO901	QTANA0424AWZZ	AE			Terminal,Speaker
SO902	QTANAA005AWZZ	AD			Terminal,Subwoofer
SO904	QTANA0428AWZZ	AE			Terminal,Surround Speaker
SO7001	QSOCDA001AWZZ	AF			Socket,S-Video
SW1	QSW-P9003AWZZ	AD			Switch,Push Type [Clamp]
SW2	QSW-P9003AWZZ	AD			Switch,Push Type [Tray SW1]
SW3	QSW-P9003AWZZ	AD			Switch,Push Type [Tray SW2]
SW4	QSW-P9006AWZZ	AF			Switch,Push Type [Disc]
SW601	QSW-S0024AWZZ	AE			Switch,Slide Type [SPAN Selector]
SW701	92LSWiCH1401AT	AC			Switch,Key Type [Power On/Stand-by]
SW702	92LSWiCH1401AT	AC			Switch,Key Type [Clock/Timer]
SW703	92LSWiCH1401AT	AC			Switch,Key Type [Tuning Up]
SW704	92LSWiCH1401AT	AC			Switch,Key Type [Tuning Down]
SW705	92LSWiCH1401AT	AC			Switch,Key Type [Fast Rewind/Preset Down]
SW706	92LSWiCH1401AT	AC			Switch,Key Type [Equalizer]
SW707	92LSWiCH1401AT	AC			Switch,Key Type [Fast Forward/Preset Up]
SW708	92LSWiCH1401AT	AC			Switch,Key Type [Reverse Mode]
SW712	92LSWiCH1401AT	AC			Switch,Key Type [Tuner (Band)]
SW713	92LSWiCH1401AT	AC			Switch,Key Type [CD]
SW714	92LSWiCH1401AT	AC			Switch,Key Type [Tape]
SW715	92LSWiCH1401AT	AC			Switch,Key Type [Game/Video]
SW716	92LSWiCH1401AT	AC			Switch,Key Type [X-Bass/Demo]
SW724	92LSWiCH1401AT	AC			Switch,Key Type [Play]
SW725	92LSWiCH1401AT	AC			Switch,Key Type [Stop]
SW726	92LSWiCH1401AT	AC			Switch,Key Type [Rec./Pause]
SW727	92LSWiCH1401AT	AC			Switch,Key Type [Memory/Set]
SW728	92LSWiCH1401AT	AC			Switch,Key Type [Open/Close]
SW729	92LSWiCH1401AT	AC			Switch,Key Type [Direct Play]
SW730	92LSWiCH1401AT	AC			Switch,Key Type [Disc 2]
SW731	92LSWiCH1401AT	AC			Switch,Key Type [Disc 4]
SW732	92LSWiCH1401AT	AC			Switch,Key Type [Disc 5]
SW733	92LSWiCH1401AT	AC			Switch,Key Type [Disc 3]
SW734	92LSWiCH1401AT	AC			Switch,Key Type [Disc 1]
SW735	92LSWiCH1401AT	AC			Switch,Key Type [Reverse Play]
⚠ SW801	QSOCE0008AWZZ	AH			Switch,Rotary Type [Voltage Selector]
WTM901	QCNCW019EAWZZ	AB			Socket,5Pin

[13] CHANGER MECHANISM PARTS



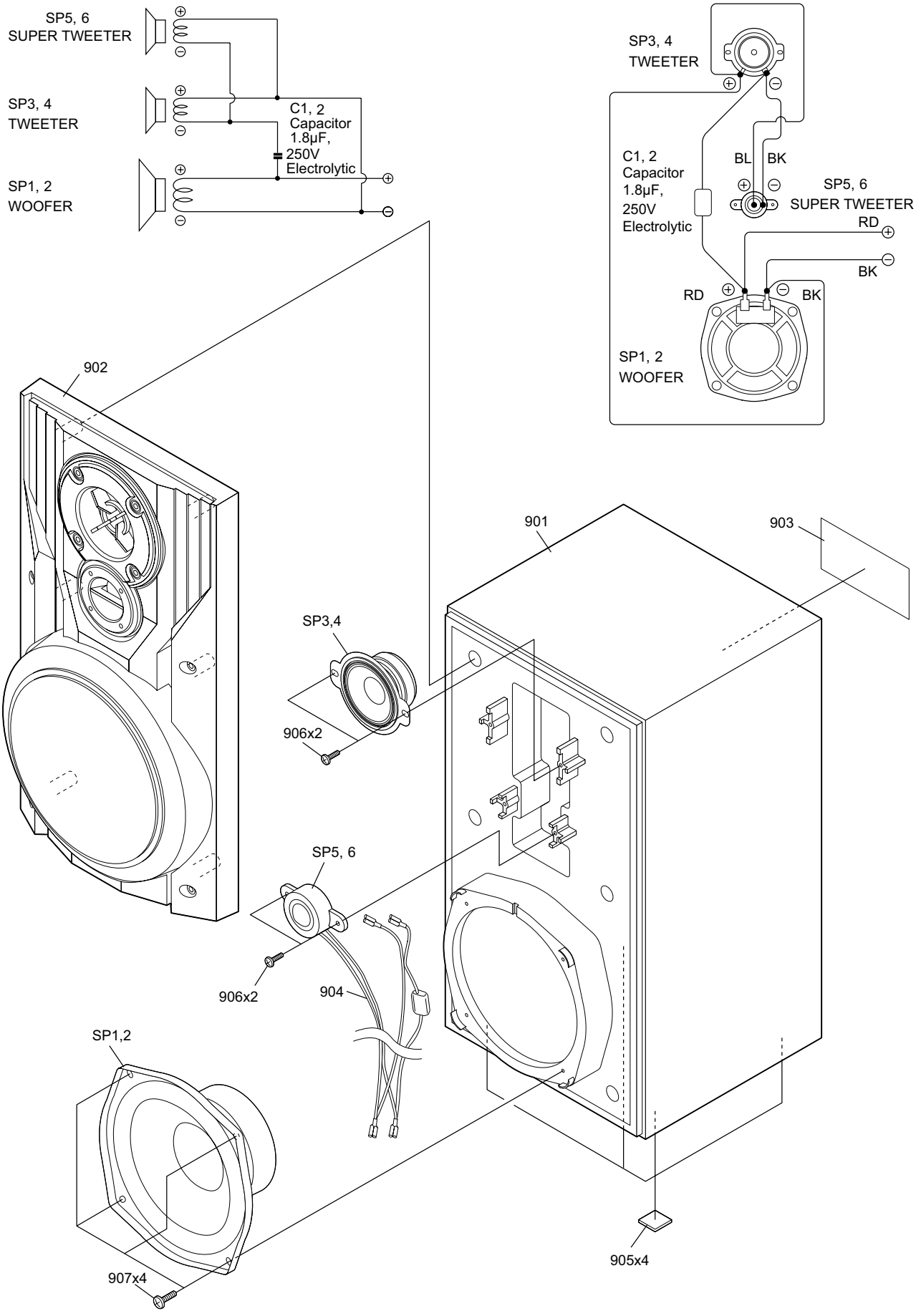
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] CHANGER MECHANISM PARTS					
101	GCOVA1513AWZZ	AF			Disc Tray
102	GCOVA1514AWZZ	AF			Guide Tray
103	LANGG0008AWZZ	AD			Outer Tray Guide
104	LANGG0009AWZZ	AC			Inner Tray Guide
105	LCHSM0194AWZZ	AP			Main Base
106	LHLDZ9018AWZZ	AF			DVD Mechanism Holder
107	LPLTP0014AWZZ	AK			Top Plate
108	LPLTP0015AWZZ	AG			Gear Plate
109	MHOLD6297ASY	AP			Up/Down Holder Ass'y
109- 1	LHLDMA004AWZZ	AC			Stabilizer
109- 2	LHLDZ9019AWM1	AK			Up/Down Holder Ass'y
109- 3	LPLTM0017AWZZ	AB			Stabilizer Plate
109- 4	LPLTMA001AWFW	AC			Plate
109- 5	PFLT-A016AWZZ	AE			Felt
109- 6	PMAGF0003AWZZ	AF			Magnet
110	MLEVP0129AWZZ	AC			Tray Lock Lever
111	MLEVP0130AWZZ	AG			Gear Up/Down Board
112	MLEVP0131AWZZ	AD			Mechanism Up/Down Board (L)
113	MLEVP0132AWZZ	AD			Mechanism Up/Down Board (R)
114	MLEVP0133AWZZ	AC			Mechanism Clamp Board
115	MLEVP0134AWZZ	AD			L/R Joint Lver
116	MLEVP0135AWZZ	AC			Tray Set Lever
117	MLEVP0136AWZZ	AC			Mechanism Clamp Switch Lever
118	MLEVP0137AWZZ	AC			Mechanism Clamp Switch Arm
119	MLEVP0138AWZZ	AB			Inner GR Up/Down Lever
120	MLEVP0139AWZZ	AC			Outer GR Up/Down Lever
121	MSPRC0044AWFJ	AB			Shift Spring
122	MSPRD0191AWFJ	AC			Disc Stop Spring
123	MSPRD0192AWFJ	AB			Balance Spring
124	NGERH0176AWZZ	AF			Tray Big Gear
125	NGERH0177AWZZ	AC			Tray Front Gear A
126	NGERH0178AWZZ	AC			Tray Front Gear B
127	NGERH0179AWZZ	AC			Tray Rear Gear A
128	NGERH0180AWZZ	AB			Tray Rear Gear B
129	NGERH0181AWZZ	AC			Mechanism Clamp Gear A
130	NGERH0182AWZZ	AC			Mechanism Clamp Joint Gear
131	NGERH0183AWZZ	AC			Mechanism Clamp Board Gear
132	NGERH0184AWZZ	AC			Tray Rear Joint Gear A
133	NGERH0185AWZZ	AC			Tray Rear Joint Gear B
134	NGERH0186AWZZ	AC			Tray Rear Joint Gear C
135	NGERH0187AWZZ	AB			Tray Rear Drive Gear
136	NGERH0188AWZZ	AC			Tray Drive Gear
137	NGERH0189AWZZ	AB			Tray Front Drive Gear
138	NGERH0190AWZZ	AC			Tray Front Joint Gear
139	NGERH0191AWZZ	AE			Mode Big Gear
140	NGERH0192AWZZ	AC			G-Up/Down Gear A
141	NGERH0193AWZZ	AC			G-Up/Down Gear B
142	NGERH0194AWZZ	AB			Mechanism Up/Down Gear A
143	NGERH0195AWZZ	AC			Mechanism Up/Down Gear B
144	NGERH0196AWZZ	AC			Mechanism Clamp Switch Gear
145	NGERH0198AWZZ	AB			Reduction Gear A
146	NGERH0199AWZZ	AB			Reduction Gear B
147	NGERH0200AWZZ	AB			Reduction Gear C
148	NGERH0201AWZZ	AB			Reduction Gear D
149	NGERH0202AWZZ	AB			Up/Down Reduction Gear E
150	NGERH0203AWZZ	AB			Up/Down Reduction Gear F
151	NGERH0204AWZZ	AB			Tray Reduction Gear E
152	NSFTT0084AWFD	AD			Shaft,Main Base
801	LX-BZA006AWF7	AB			Screw,Special
803	XEBY720P08000	AA			Screw,M2x8mm
804	XEBY730P10000	AA			Screw,M3x10mm
M1	92LMTR5529BASY	AD			Motor with Gear [Tray]
M2	92LMTR5529BASY	AD			Motor with Gear [Main Cam]
SW1	QSW-P9003AWZZ	AD			Switch,Push Type [CLAMP]
SW2	QSW-P9003AWZZ	AD			Switch,Push Type [TRAY SW1]
SW3	QSW-P9003AWZZ	AD			Switch,Push Type [TRAY SW2]
SW4	QSW-P9006AWZZ	AF			Switch,Push Type [DISC]

[14] CABINET PARTS



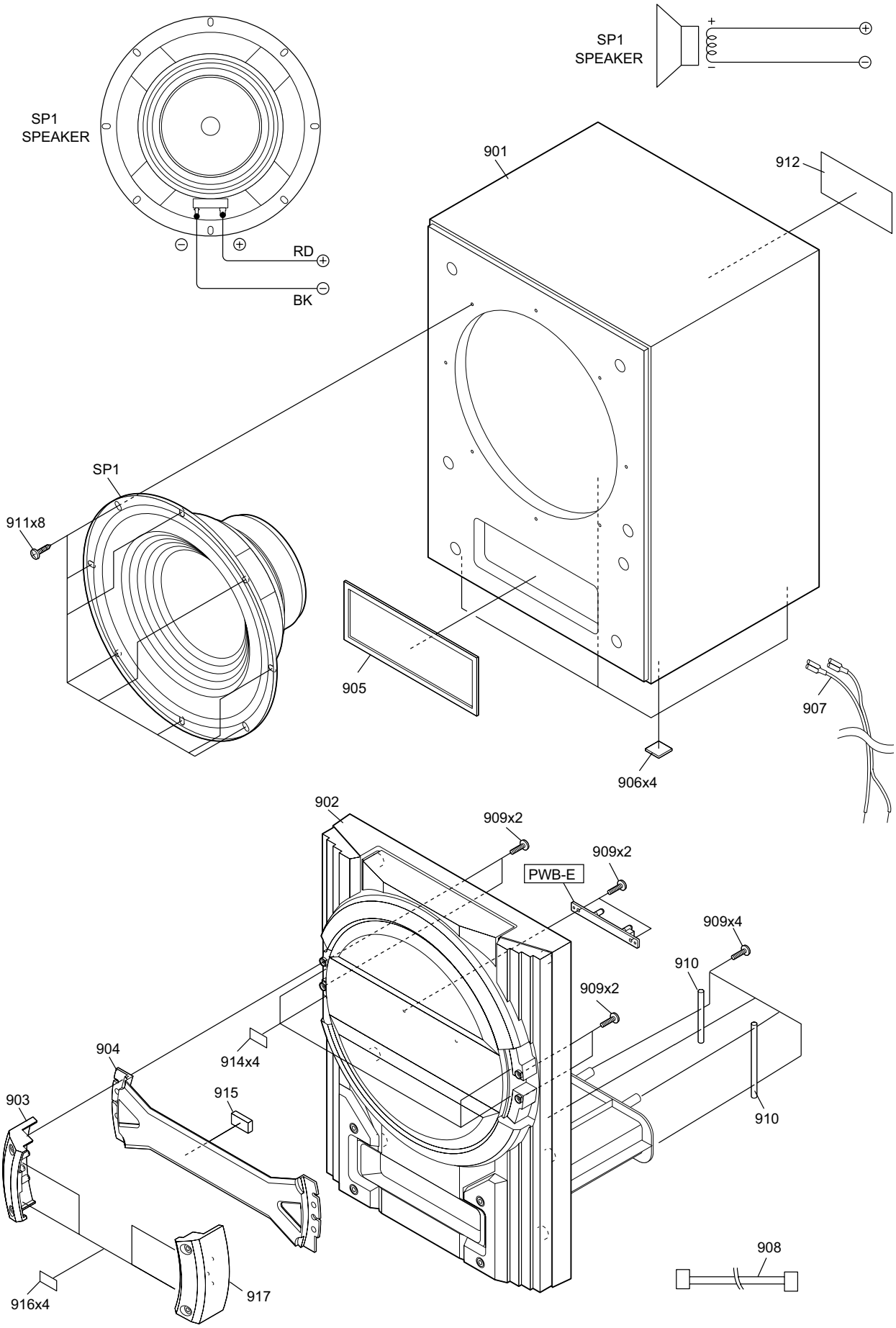
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[14] CABINET PARTS					
201	CCABA6394AW01	BC			Front Panel Ass'y
201- 1	--------	-			Front Panel (Not Replacement Item)
201- 2	GCOVAA091AWSA	AG			Cover,Cassette [Tape 1]
201- 3	GCOVAA092AWSA	AG			Cover,Cassette [Tape 2]
201- 4	GDORF0127AWSA	AE			Holder,Cassette [Tape 1]
201- 5	GDORF0128AWSA	AE			Holder,Cassette [Tape 2]
201- 6	HDECQA167AWSA	AE			Panel,Cassette [Tape 1]
201- 7	HDECQA177AWSA	AD			Panel,Cassette [Tape 2]
201- 8	JKNBZA116AWSA	AD			Button,Disc Number
201- 9	MLiF-A001AWZZ	AD			Damper
201-10	JKNBZA032AWSA	AM			Button,Operation A
201-11	JKNBZA033AWSA	AM			Button,Operation B
201-12	JKNBZA113AWSA	AG			Button,Function
201-13	JKNBZA117AWSA	AD			Button,Memory
201-14	JKNBZA115AWSA	AD			Button,Tuning
201-15	JKNBZA114AWSA	AD			Button,Power
201-16	GCOVA1533AWSA	AC			Cover,Timer
201-17	HBDGB1007AWSA	AD			Badge,SHARP
201-18	MSPRDA010AWFJ	AB			Spring,Cassette [Tape 1]
201-19	MSPRDA011AWFJ	AB			Spring,Cassette [Tape 2]
201-20	HDECQA039AWSA	AH			Volume Knob Ring,A
201-21	HDECQA166AWSA	AG			Volume Knob Ring,B
201-22	HDECQA196AWSA	AH			Decoration Plate AMP.
201-23	MLOKC0014AWZZ	AC			Lock,Cassette [Tape 1]
201-24	MLOKC0015AWZZ	AC			Lock,Cassette [Tape 2]
201-25	MSPRD0196AWFJ	AB			Spring,Cassette Lock [Tape 1]
201-26	MSPRD0197AWFJ	AC			Spring,Cassette Lock [Tape 2]
202	GCAB-A029AWSA	AY			Cabinet,Top/Side
203	PCUSGA048AWZZ	AB			Cushion,Leg
204	GiTASA104AWSA	AH			Rear Panel,B
205	GCOVA1520AWSA	AG			Cover,CD Tray
206	LCHSZ0025AWZZ	AM			Chassis,Changer
207	PSLDMA009AWFW	AG			Shield,Dust Cover
208	92LNBAND1318A	AA			Nylon Band,80mm
209	KMECBA007AWZZ	BE			Tape Mechanism Ass'y
210	HDECQA033AWSA	AE			Panel,Edge Light
212	QCNWN1860AWZZ	AC			Lug Wire
213	JKNBK0103AWSA	AD			Knob,Volume
214	HDECQ1104AWSA	AL			Cover,Volume Knob
216	92LCSPR1431C	AA			Spring,Ring
217	LCHSMA029AWFW	AS			Chassis,Main
218	GiTARA310AWSA	AN			Rear Panel,A [For U.K.]
219	LBND-1011AWZZ	AA			Nylon Band
⚠ 220	QACCE0015AW00	AK			AC Power Supply Cord
221	LBSHC0002AWZZ	AD			Bushing,AC Power Supply Cord
222	NFANP0001AWZZ	AD			Rotary Fan
223	LANGK0437AWFW	AE			Bracket,Fan Support A
⚠ 224	92LFSHOLD1652	AB			Holder,Fuse
225	PRDARA072AWFW	AZ			Heat Sink
226	LHLDZ9023AWZZ	AD			Holder,Edge Light
227	LANGT0042AWFW	AC			Bracket,PWB Support
229	LHLDZA004AWZZ	AC			Holder,Rib Support
232	PFLT-A006AWZZ	AB			Felt
234	PRDARA098AWFW	AD			Heat Sink,Sub
235	LANGK0435AWFW	AF			Bracket,Heat Sink Support
236	TCAUS0074AWZZ	AB			Label,Class 3A
237	QCNWNA399AWPZ	AL			Lug Wire
238	LANGKA011AWZZ	AC			Holder,DVD Mechanism
239	JKNBKA003AWSC	AD			Knob,Mic Volume
240	GCOVD1006AWSA	AH			Cover,Terminal
241	PRDARA097AWFW	AL			Heat Sink,Sub
242	DVDMECA6297A	BN			DVD Mechanism Ass'y
601	XJBY730P10000	AA			Screw,M3x10mm
602	XEBY730P10000	AA			Screw,M3x10mm
604	XEBY726P10000	AA			Screw,M2.6x10mm
605	XESY730P10000	AA			Screw,M3x10mm
606	XJSY730P08000	AA			Screw,M3x8mm
607	LX-EZ0010AWF7	AB			Screw,Special
608	LX-HZ0169AFF7	AC			Screw,M4x8mm
609	XBBY720P04000	AA			Screw,M2x4mm
610	LX-JZ0010AFF7	AB			Screw,M3x10mm
613	LX-JZ0037AWF7	AC			Screw,M3x18mm
614	LX-JZ0044AWF8	AB			Screw,M3x10mm
615	XWHY732-10080	AB			Washer,M3.2xM8x1mm
616	XHBY730P06000	AB			Screw,M3x6mm
617	LX-JZ0010AWF7	AB			Screw,M3x10mm
618	XJBY730P08000	AA			Screw,M3x8mm
619	LX-JZ0036AWF7	AC			Screw,M3x12mm
620	LX-EZA002AWF7	AC			Screw,Special
621	XEBY720P12000	AA			Screw,M2x12mm

[15] SPEAKER BOX PARTS



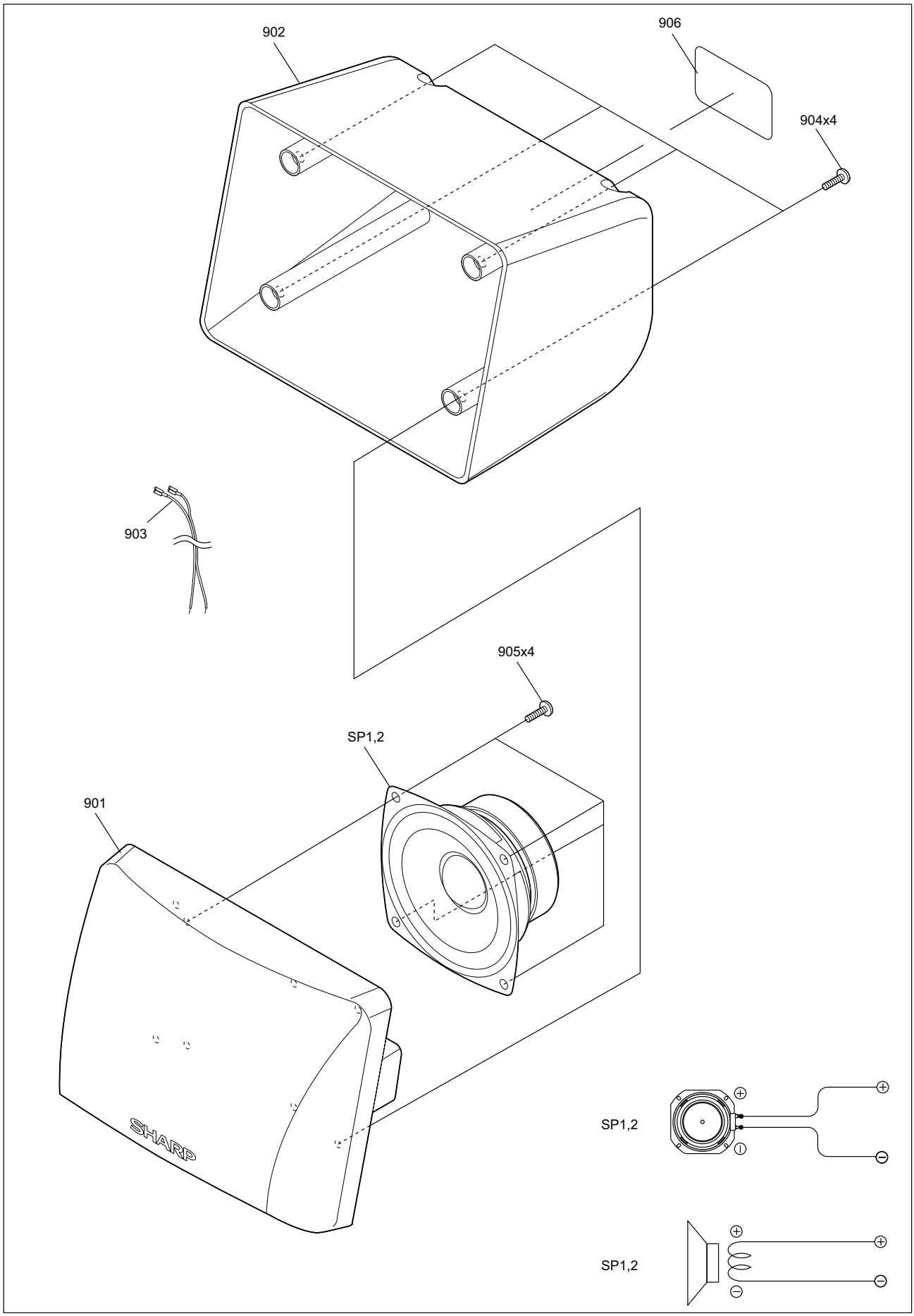
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[15] SPEAKER BOX PARTS					
901	GBOXSA069AW01	BH			Speaker Box Ass'y
902	CPNLSA029AW01	AY			Front Panel Ass'y
903	TSPC-A528AWZZ				Label,Specifications
904	QCNWHA011AWPZ	AQ			Speaker Cord Ass'y (with Capacitor C1,2 and Super
905	PCUSGA020AWZZ	AB			Leg Cushion
906	XEBSN30P10000	AA			Screw,M3x10mm
907	XEBSN40P16000	AC			Screw,M4x16mm
SP1,2	RSP-ZA146AWZZ	BA			Woofer
SP3,4	RSP-ZA147AWZZ	AT			Tweeter

[16] SUBWOOFER



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[16] SUBWOOFER					
901	GBOXSA070AW01	BG			Woofer Box Ass'y
902	CPNLSA030AW01	BC			Front Panel Ass'y
903	HDECQA136AWSA	AN			Edge Light Cover
904	HDECQA135AWSA	AN			Edge Light Panel
905	PCUSSA013AWZZ	AD			Port Cushion
906	PCUSGA020AWZZ	AB			Cushion,Leg
907	QCNWNA250AWPZ	AL			Speaker Cord Ass'y
908	QCNWNA252AWPZ	AG			LED Cord Ass'y
909	XEBSN26P10000	AB			Screw,M2.6x10mm
910	NSFTTA007AWFW	AM			Shaft
911	XMBSN40P16000	AD			Screw,M4x16mm
912	TSPC-A527AWZZ				Label,Specifications
914	PFLT-A018AWZZ	AF			Felt A
915	PCUSGA051AWZZ	AF			Support Cushion
916	PFLT-A020AWZZ	AF			Felt B
SP1	RSP-ZA121AWZZ				Speaker

[17] SURROUND SPEAKER (GBOXSA110AWM1)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[17] SURROUND SPEAKER (GBOXSA110AWM1)					
901	CWAKP1078AWM2				Net Frame Ass'y
902	GCAB-1227AWSA	AU			Back Cabinet
903	QCNWN2460AWZZ	AM			Speaker Cord Ass'y (with Capacitor C1,2 and Super
904	XEBY840P14000				Screw,M4x14mm
905	XEBY740P12000	AC			Screw,M4x12mm
906	TSPC-A526AWZZ				Label,Specifications
SP1,2	RSP-ZA144AWZZ				Speaker
[18] ACCESSORIES/PACKING PARTS					
1	SPAKAA069AWZZ	AM			Packing Add.,Unit
2	SPAKCA277AWZZ	BC			Packing Case
3	SPAKP0032AWZZ	AF			Polyethylene Bag,Set
4	SSAKAA006AWZZ	AB			Polyethylene Bag,Accessories
5	SPAKZA208AWZZ	AD			Top Pad
6	QANTL0005AWZZ	AG			AM Loop Antenna
7	TiNSEA111AWZZ	AG			Operation Manual
8	QCNWG0046AWZZ	AL			Video Cord
9	TLABZA267AWZZ	AB			Label,WMA
10	TLABN0112AWZZ	AA			Label,Serial No.
11	92LFANT1746A	AD			FM Antenna
12	TLABEA140AWZZ	AB			Label,Bar Code
13	TLABZA286AWZZ				Label,Feature
14	RRMCGA056AWSA	AS			Remote Control
14-1	GFTAT1017AWSA	AG			Battery Lid,Remote Control
15	TGANEA001AW28	AC			Warranty Card
16	SPAKAA070AWZZ	AP			Packing Add.,Left/Right,Front Speaker
17	SSAKHA069AWZZ	AD			Polyethylene Bag,Front Speaker
18	SPAKAA071AWZZ	AQ			Packing Add.,Top/Bottom,Subwoofer
19	SSAKHA063AWZZ	AD			Polyethylene Bag,Subwoofer
20	SSAKHA064AWZZ				Polyethylene Bag,Surround Speaker
21	SPAKAA085AWZZ				Packing Add.,Top/Bottom,Surround Speaker
[19] P.W.B. ASSEMBLY (Not Replacement Item)					
PWB-A	92LPWB6394MANS	-			Main/Display (Combined Ass'y) [PWB-A1,2]
⚠ PWB-B	92LPWB6385PWRS	-			Power/Game Input (Combined Ass'y) [PWB-B1,2]
PWB-C	92LPWB6394DVDS	-			DVD Servo [For Philippines]
PWB-C	92LPWB6395DVDS	-			DVD Servo [Except for Philippines]
PWB-D	92LPWB6385TUNS	-			Tuner
PWB-E	92LPWB6230LEDS	-			LED
PWB-F	92LPWB6385MiCS	-			Mic
PWB-G	92LPWB6385DVSS	-			S-Video Out
PWB-H	QPWBF1055AWZZ	AE			CD Changer Motor (PWB Only)
PWB-i	--------	-			Tape Mechanism
PWB-J	92LPWB6394SPKS	-			Surround
PWB-K	92LPWB6297S	-			Control
[20] OTHER SERVICE PART					
	UDSKA0004AFZZ	AZ			CD Optical Pickup Lens Cleaner Disc

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABA6394AW01	14-201	BC		
CPNLSA029AW01	15-902	AY		
CPNLSA030AW01	16-902	BC		
CWAKP1078AWM2	17-901			
【 D 】				
DVDMECA6297A	14-242	BN		
【 G 】				
GBÖXSA069AW01	15-901	BH		
GBÖXSA070AW01	16-901	BG		
GCAB-1227AWSA	17-902	AU		
GCAB-A029AWSA	14-202	AY		
GCÖVA1513AWZZ	13-101	AF		
GCÖVA1514AWZZ	13-102	AF		
GCÖVA1520AWSA	14-205	AG		
GCÖVA1533AWSA	14-201-16	AC		
GCÖVAA091AWSA	14-201- 2	AG		
GCÖVAA092AWSA	14-201- 3	AG		
GCÖVD1006AWSA	14-240	AH		
GDÖRF0127AWSA	14-201- 4	AE		
GDÖRF0128AWSA	14-201- 5	AE		
GFTAT1017AWSA	18-14- 1	AG		
GiTARA310AWSA	14-218	AN		
GiTASA104AWSA	14-204	AH		
【 H 】				
HBDGB1007AWSA	14-201-17	AD		
HDECQ1104AWSA	14-214	AL		
HDECQA033AWSA	14-210	AE		
HDECQA039AWSA	14-201-20	AH		
HDECQA135AWSA	16-904	AN		
HDECQA136AWSA	16-903	AN		
HDECQA166AWSA	14-201-21	AG		
HDECQA167AWSA	14-201- 6	AE		
HDECQA177AWSA	14-201- 7	AD		
HDECQA196AWSA	14-201-22	AH		
【 J 】				
JKNBK0103AWSA	14-213	AD		
JKNBKA003AWSC	14-239	AD		
JKNBZA032AWSA	14-201-10	AM		
JKNBZA033AWSA	14-201-11	AM		
JKNBZA113AWSA	14-201-12	AG		
JKNBZA114AWSA	14-201-15	AD		
JKNBZA115AWSA	14-201-14	AD		
JKNBZA116AWSA	14-201- 8	AD		
JKNBZA117AWSA	14-201-13	AD		
【 K 】				
KMECBA007AWZZ	14-209	BE		
【 L 】				
LANGG0008AWZZ	13-103	AD		
LANGG0009AWZZ	13-104	AC		
LANGK0435AWFW	14-235	AF		
LANGK0437AWFW	14-223	AE		
LANGKA011AWZZ	14-238	AC		
LANGT0042AWFW	14-227	AC		
LBND-1011AWZZ	14-219	AA		
LBSHC0002AWZZ	14-221	AD		
LCHSM0194AWZZ	13-105	AP		
LCHSMA029AWFW	14-217	AS		
LCHSZ0025AWZZ	14-206	AM		
LHLDMA004AWZZ	13-109- 1	AC		
LHLDZ9018AWZZ	13-106	AF		
LHLDZ9019AWM1	13-109- 2	AK		
LHLDZ9023AWZZ	14-226	AD		
LHLDZA004AWZZ	14-229	AC		
LPLTM0017AWZZ	13-109- 3	AB		
LPLTMA001AWFW	13-109- 4	AC		
LPLTP0014AWZZ	13-107	AK		
LPLTP0015AWZZ	13-108	AG		
LX-BZA006AWF7	13-801	AB		
LX-EZ0010AWF7	14-607	AB		
LX-EZA002AWF7	14-620	AC		
LX-HZ0169AFF7	14-608	AC		
LX-JZ0010AFF7	14-610	AB		
LX-JZ0010AWF7	14-617	AB		
LX-JZ0036AWF7	14-619	AC		
LX-JZ0037AWF7	14-613	AC		
LX-JZ0044AWF8	14-614	AB		
【 M 】				
MHÖLD6297ASY	13-109	AP		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
MLEVP0129AWZZ	13-110	AC		
MLEVP0130AWZZ	13-111	AG		
MLEVP0131AWZZ	13-112	AD		
MLEVP0132AWZZ	13-113	AD		
MLEVP0133AWZZ	13-114	AC		
MLEVP0134AWZZ	13-115	AD		
MLEVP0135AWZZ	13-116	AC		
MLEVP0136AWZZ	13-117	AC		
MLEVP0137AWZZ	13-118	AC		
MLEVP0138AWZZ	13-119	AB		
MLEVP0139AWZZ	13-120	AC		
MLiF-A001AWZZ	14-201- 9	AD		
MLÖKC0014AWZZ	14-201-23	AC		
MLÖKC0015AWZZ	14-201-24	AC		
MSPRC0044AWFJ	13-121	AB		
MSPRD0191AWFJ	13-122	AC		
MSPRD0192AWFJ	13-123	AB		
MSPRD0196AWFJ	14-201-25	AB		
MSPRD0197AWFJ	14-201-26	AC		
MSPRDA010AWFJ	14-201-18	AB		
MSPRDA011AWFJ	14-201-19	AB		
【 N 】				
NFANP0001AWZZ	14-222	AD		
NGERH0176AWZZ	13-124	AF		
NGERH0177AWZZ	13-125	AC		
NGERH0178AWZZ	13-126	AC		
NGERH0179AWZZ	13-127	AC		
NGERH0180AWZZ	13-128	AB		
NGERH0181AWZZ	13-129	AC		
NGERH0182AWZZ	13-130	AC		
NGERH0183AWZZ	13-131	AC		
NGERH0184AWZZ	13-132	AC		
NGERH0185AWZZ	13-133	AC		
NGERH0186AWZZ	13-134	AC		
NGERH0187AWZZ	13-135	AB		
NGERH0188AWZZ	13-136	AC		
NGERH0189AWZZ	13-137	AB		
NGERH0190AWZZ	13-138	AC		
NGERH0191AWZZ	13-139	AE		
NGERH0192AWZZ	13-140	AC		
NGERH0193AWZZ	13-141	AC		
NGERH0194AWZZ	13-142	AB		
NGERH0195AWZZ	13-143	AC		
NGERH0196AWZZ	13-144	AC		
NGERH0198AWZZ	13-145	AB		
NGERH0199AWZZ	13-146	AB		
NGERH0200AWZZ	13-147	AB		
NGERH0201AWZZ	13-148	AB		
NGERH0202AWZZ	13-149	AB		
NGERH0203AWZZ	13-150	AB		
NGERH0204AWZZ	13-151	AB		
NSFTT0084AWFD	13-152	AD		
NSFTTA007AWFW	16-910	AM		
【 P 】				
PCUSGA020AWZZ	15-905	AB		
〃	16-906	AB		
PCUSGA048AWZZ	14-203	AB		
PCUSGA051AWZZ	16-915	AF		
PCUSSA013AWZZ	16-905	AD		
PFLT-A006AWZZ	14-232	AB		
PFLT-A016AWZZ	13-109- 5	AE		
PFLT-A018AWZZ	16-914	AF		
PFLT-A020AWZZ	16-916	AF		
PMAGF0003AWZZ	13-109- 6	AF		
PRDARA072AWFW	14-225	AZ		
PRDARA097AWFW	14-241	AL		
PRDARA098AWFW	14-234	AD		
PSLDMA009AWFW	14-207	AG		
【 Q 】				
QACCE0015AW00	14-220	AK		
QANTL0005AWZZ	18-6	AG		
QCNCM010KAWZZ	12-CNP103	AC		
QCNCM010PAWZZ	12-CNP303	AD		
QCNCM035KAWZZ	12-CNP801	AC		
QCNCM049BAWZZ	12-CNP805	AC		
QCNCM704BAFZZ	12-CNP501	AA		
QCNCM705BAFZZ	12-CNP502	AA		
QCNCM705CAFZZ	12-CNP101	AA		
〃	12-CNP903	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QCNCM705GAFZZ	12-CNP102	AB		
QCNCM970BAFZZ	12-CN3002	AD		
QCNCM970GAFZZ	12-CN3003	AG		
QCNCM970JAFZZ	12-CN3007	AG		
QCNCW010KAWZZ	12-CNS103	AD		
QCNCW010PAWZZ	12-CNS303	AE		
QCNCW012EAWZZ	12-CNP901	AC		
QCNCW019EAWZZ	12-WTM901	AB		
QCNCWXM24AFZZ	12-CN3001	AG		
QCNCWYH08AWZZ	12-CN3009	AC		
〃	12-CNP704	AC		
QCNCWYH10AWZZ	12-CN3004	AC		
〃	12-CNP703	AC		
QCNCWZŌ11AWZZ	12-CNP4A	AC		
QCNCWZX11AWZZ	12-CN3005	AC		
QCNCWZX26AWZZ	12-CNP701B	AD		
QCNCWZY09AWZZ	12-CNP702	AC		
QCNCWZY26AWZZ	12-CNP701A	AD		
QCNWG0046AWZZ	18-8	AL		
QCNWHA011AWPZ	15-904	AQ		
QCNWN1860AWZZ	14-212	AC		
QCNWN2460AWZZ	17-903	AM		
QCNWN2496AWZZ	12-FFC702	AD		
QCNWN2561AWZZ	12-Bi902	AE		
QCNWN2701AWPZ	12-FFC4	AD		
QCNWN2711AWPZ	12-FW901	AD		
QCNWN2714AWPZ	12-Bi603	AK		
QCNWN2721AWPZ	12-BiK1	AK		
QCNWNA064AWPZ	12-CNS2	AE		
QCNWNA069AWPZ	12-FFC1	AG		
QCNWNA080AWPZ	12-CNS971	AC		
QCNWNA250AWPZ	16-907	AL		
QCNWNA252AWPZ	16-908	AG		
QCNWNA267AWPZ	12-Bi702	AF		
QCNWNA270AWPZ	12-Bi801	AK		
QCNWNA271AWPZ	12-FFC701	AG		
QCNWNA272AWPZ	12-Bi601	AL		
QCNWNA273AWPZ	12-FFC703	AD		
QCNWNA274AWPZ	12-FFC704	AD		
QCNWNA275AWPZ	12-Bi701	AG		
QCNWNA399AWPZ	14-237	AL		
QCNWNA425AWPZ	12-CNSC1	AE		
QFS-D202ABGNi	12-F803	AC		
〃	12-F804	AC		
QFS-D402ABGNi	12-F806	AC		
〃	12-F807	AC		
QFS-D502ABGNi	12-F801	AC		
〃	12-F802	AC		
QJAKJ0012AWZZ	12-JK1	AF		
〃	12-JK2	AF		
QJAKM0004AWZZ	12-JK692	AK		
QLUGPA001AWZZ	12-LG1	AC		
〃	12-LG2	AC		
〃	12-LG3	AC		
〃	12-LG4	AC		
QPWBF1055AWZZ	19-PWB-H	AE		
QSŌCDA001AWZZ	12-SŌ7001	AF		
QSŌCE0008AWZZ	12-SW801	AH		
QSŌCJ0120AWZZ	12-JK691	AD		
QSŌCJ0312AWZZ	12-JK690A	AG		
QSŌCJ0313AWZZ	12-JK690	AF		
QSW-M0027GEZZ	12-NSW1	AD		
QSW-P9003AWZZ	12-SW1	AD		
〃	12-SW2	AD		
〃	12-SW3	AD		
〃	13-SW1	AD		
〃	13-SW2	AD		
〃	13-SW3	AD		
QSW-P9006AWZZ	12-SW4	AF		
〃	13-SW4	AF		
QSW-S0024AWZZ	12-SW601	AE		
QSW-ZA001AWZZ	12-JŌG701	AE		
QTANA0424AWZZ	12-SŌ901	AE		
QTANA0428AWZZ	12-SŌ904	AE		
QTANAA005AWZZ	12-SŌ902	AD		
QTANC0206AWZZ	12-SŌ302	AD		
【 R 】				
RBLN-0061TAZZ	6-FB3701	AB		
〃	6-FB3711	AB		
〃	6-FB3712	AB		
RC-EZ0004AWZZ	10-C671	AD		
〃	10-C3307	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
RC-EZ0149AWZZ	10-C817	AC		
RC-EZ0159AWZZ	10-C868	AC		
RC-EZ3013AWZZ	10-C846	AQ		
〃	10-C847	AQ		
RC-EZ3014AWZZ	10-C848	AL		
〃	10-C849	AL		
RC-EZD476AF1E	10-C132	AC		
RC-EZY106AF1H	10-C858	AB		
RC-EZY226AF1C	10-C133	AB		
RCiLA0052AWZZ	5-T303	AE		
RCiLB0067AWZZ	5-T306	AD		
RCiLBA001AWZZ	5-T301	AC		
RCiLi0017AWZZ	5-T302	AB		
RCiLi0019AWZZ	5-T351	AD		
RCiLR0056AWZZ	6-L312	AB		
RCiLZ0024AWZZ	6-L901	AC		
〃	6-L902	AC		
〃	6-L903	AC		
〃	6-L904	AC		
RCiLZA014AWZZ	6-L801	AK		
RCiLZA016AWZZ	6-L890	AF		
RCRSP0019AWZZ	9-X352	AF		
RCRSP0025AWZZ	9-XL3001	AK		
RCRSP0029AWZZ	9-XL701	AF		
RCRSPA004AWZZ	9-XL3002	AF		
RFiLA0009AWZZ	4-CF352	AE		
RFiLF0003AWZZ	4-CF351	AK		
RFiLF0124AFZZ	4-CF303	AD		
RFiLR0008AWZZ	4-BF301	AE		
RH-iXA043AWZZ	1-iC603	AR		
RH-iXA067AW00	1-iC701	BL		
RMŌTV0059AWZZ	12-M901	AL		
RRLYD0016AWZZ	12-RL901	AH		
〃	12-RL902	AH		
RRMCGA056AWSA	18-14	AS		
RSP-ZA121AWZZ	16-SP1			
RSP-ZA144AWZZ	17-SP1,2			
RSP-ZA146AWZZ	15-SP1,2	BA		
RSP-ZA147AWZZ	15-SP3,4	AT		
RTRNPA021AWZZ	5-PT801	BP		
RVR-G0001AWZZ	7-VRK1	AD		
【 S 】				
SPAKAA069AWZZ	18-1	AM		
SPAKAA070AWZZ	18-16	AP		
SPAKAA071AWZZ	18-18	AQ		
SPAKAA085AWZZ	18-21			
SPAKCA277AWZZ	18-2	BC		
SPAKP0032AWZZ	18-3	AF		
SPAKZA208AWZZ	18-5	AD		
SSAKAA006AWZZ	18-4	AB		
SSAKHA063AWZZ	18-19	AD		
SSAKHA064AWZZ	18-20			
SSAKHA069AWZZ	18-17	AD		
【 T 】				
TCAUS0074AWZZ	14-236	AB		
TGANEA001AW28	18-15	AC		
TiNSEA111AWZZ	18-7	AG		
TLABEA140AWZZ	18-12	AB		
TLABN0112AWZZ	18-10	AA		
TLABZA267AWZZ	18-9	AB		
TLABZA286AWZZ	18-13			
TSPC-A526AWZZ	17-906			
TSPC-A527AWZZ	16-912			
TSPC-A528AWZZ	15-903			
【 U 】				
UDSKA0004AFZZ	20-	AZ		
【 V 】				
VCCCCY1HH100D	10-C3212	AA		
〃	10-C3213	AA		
VCCCCY1HH101J	10-C303	AA		
〃	10-C508	AA		
〃	10-C520	AA		
〃	10-C908	AA		
〃	10-C931	AA		
〃	10-C932	AA		
〃	10-C977	AA		
〃	10-C3113	AA		
〃	10-C3120	AA		
〃	10-C3270	AA		
〃	10-C3271	AA		
〃	10-C3272	AA		
〃	10-C3273	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C3311	AA		
〃	10-C3312	AA		
VCCCCY1HH102J	10-C531	AA		
VCCCCY1HH120J	10-C381	AA		
VCCCCY1HH150J	10-C310	AA		
〃	10-C330	AA		
〃	10-C382	AA		
〃	10-C3108	AA		
〃	10-C3109	AA		
〃	10-C3110	AA		
〃	10-C3111	AA		
〃	10-C3112	AA		
VCCCCY1HH151J	10-C3224	AA		
VCCCCY1HH180J	10-C311	AA		
〃	10-C707	AA		
〃	10-C708	AA		
VCCCCY1HH181J	10-C104	AA		
VCCCCY1HH220J	10-C313	AA		
〃	10-C334	AA		
〃	10-C355	AA		
VCCCCY1HH270J	10-C369	AA		
VCCCCY1HH390J	10-C3906	AA		
VCCCCY1HH3R0C	10-C909	AA		
〃	10-C910	AA		
〃	10-C933	AA		
〃	10-C934	AA		
VCCCCY1HH471J	10-C3214	AA		
〃	10-C3215	AA		
〃	10-C3319	AA		
〃	10-C3320	AA		
〃	10-C3321	AA		
VCCCCY1HH4R7C	10-C305	AA		
〃	10-C308	AA		
〃	10-C324	AA		
VCCCCY1HH7R0D	10-C3264	AA		
〃	10-C3265	AA		
VCCCPA1HH390J	10-CC1	AA		
VCCSPA1HL101J	10-CK49	AA		
〃	10-CK50	AA		
VCCSPA1HL221J	10-CK47	AA		
〃	10-CK48	AA		
VCCSPA1HL470J	10-CK33	AA		
〃	10-CK34	AA		
〃	10-CK35	AA		
VCEAZA0JW108M	10-C656	AC		
〃	10-C702	AC		
VCEAZA1AW107M	10-CC2	AB		
〃	10-C396	AB		
〃	10-C398	AB		
〃	10-C3114	AB		
〃	10-C3117	AB		
〃	10-C3130	AB		
〃	10-C3137	AB		
〃	10-C3138	AB		
〃	10-C3207	AB		
〃	10-C3209	AB		
〃	10-C3221	AB		
〃	10-C3232	AB		
〃	10-C3239	AB		
〃	10-C3240	AB		
〃	10-C3257	AB		
〃	10-C3261	AB		
〃	10-C3301	AB		
〃	10-C3303	AB		
〃	10-C3401	AB		
〃	10-C3404	AB		
〃	10-C3601	AB		
〃	10-C3603	AB		
〃	10-C3605	AB		
〃	10-C3607	AB		
〃	10-C3610	AB		
〃	10-C3709	AB		
VCEAZA1AW227M	10-C134	AC		
〃	10-C616	AC		
〃	10-CK17	AC		
VCEAZA1AW476M	10-C3104	AB		
〃	10-C3106	AB		
〃	10-C7001	AB		
VCEAZA1AW477M	10-CC3	AC		
〃	10-C7009	AC		
〃	10-C7011	AC		
〃	10-C7017	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C7018	AC		
〃	10-C7019	AC		
VCEAZA1CW106M	10-C307	AC		
〃	10-C352	AC		
〃	10-C650	AC		
〃	10-C651	AC		
〃	10-C653	AC		
〃	10-C3201	AC		
〃	10-C3203	AC		
〃	10-C3253	AC		
〃	10-C3701	AC		
〃	10-C3703	AC		
〃	10-C3704	AC		
〃	10-C3705	AC		
〃	10-C3706	AC		
〃	10-C3707	AC		
VCEAZA1CW107M	10-C111	AC		
〃	10-C112	AC		
〃	10-C141	AC		
〃	10-C654	AC		
〃	10-C655	AC		
〃	10-CK18	AC		
〃	10-CK40	AC		
〃	10-CK41	AC		
VCEAZA1CW227M	10-C614	AC		
VCEAZA1CW476M	10-C391	AB		
〃	10-C394	AB		
〃	10-C672	AB		
VCEAZA1CW477M	10-C518	AC		
VCEAZA1EW226M	10-C825	AB		
〃	10-C828	AB		
〃	10-C840	AB		
〃	10-C844	AB		
VCEAZA1EW227M	10-C841	AC		
VCEAZA1EW476M	10-C117	AB		
〃	10-C118	AB		
〃	10-C125	AB		
〃	10-C126	AB		
〃	10-C131	AB		
〃	10-C140	AB		
〃	10-C150	AB		
〃	10-C501	AB		
〃	10-C512	AB		
〃	10-C513	AB		
〃	10-C528	AB		
〃	10-C710	AB		
〃	10-C839	AB		
〃	10-C857	AB		
〃	10-C861	AB		
〃	10-C920	AB		
〃	10-C944	AB		
〃	10-C973	AB		
〃	10-CK43	AB		
〃	10-CK44	AB		
〃	10-CK51	AB		
〃	10-CK52	AB		
〃	10-CK53	AB		
VCEAZA1HW104M	10-C976	AB		
VCEAZA1HW105M	10-C358	AB		
〃	10-C367	AB		
〃	10-C368	AB		
〃	10-C370	AB		
〃	10-C371	AB		
〃	10-C372	AB		
〃	10-C393	AB		
〃	10-C523	AB		
〃	10-C601	AB		
〃	10-C602	AB		
〃	10-C617	AB		
〃	10-C618	AB		
〃	10-C625	AB		
〃	10-C626	AB		
〃	10-C629	AB		
〃	10-C630	AB		
〃	10-C631	AB		
〃	10-C632	AB		
〃	10-C633	AB		
〃	10-C634	AB		
〃	10-C635	AB		
〃	10-C636	AB		
〃	10-C648	AB		
〃	10-C670	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C674	AB		
〃	10-C679	AB		
〃	10-C701	AB		
〃	10-C721	AB		
〃	10-C902	AB		
〃	10-C3234	AB		
VCEAZA1HW106M	10-C380	AB		
〃	10-C507	AB		
〃	10-C509	AB		
〃	10-C517	AB		
〃	10-C662	AB		
〃	10-C663	AB		
〃	10-C664	AB		
〃	10-C665	AB		
〃	10-C669	AB		
〃	10-C675	AB		
〃	10-C843	AB		
〃	10-C854	AB		
〃	10-C929	AB		
〃	10-C930	AB		
〃	10-C950	AB		
〃	10-C961	AB		
〃	10-C962	AB		
VCEAZA1HW107M	10-C918	AC		
〃	10-C919	AC		
〃	10-C942	AC		
〃	10-C943	AC		
VCEAZA1HW225M	10-CK9	AB		
〃	10-C357	AB		
〃	10-C362	AB		
〃	10-C364	AB		
〃	10-CK12	AB		
〃	10-CK24	AB		
〃	10-CK25	AB		
〃	10-CK26	AB		
〃	10-CK29	AB		
〃	10-CK30	AB		
〃	10-CK45	AB		
〃	10-CK46	AB		
〃	10-CK72	AB		
VCEAZA1HW226M	10-C647	AB		
VCEAZA1HW334M	10-C3133	AB		
VCEAZA1HW335M	10-C143	AB		
〃	10-C712	AB		
VCEAZA1HW336M	10-C901	AC		
〃	10-C903	AC		
VCEAZA1HW474M	10-CK7	AB		
〃	10-C925	AB		
〃	10-C926	AB		
〃	10-CK70	AB		
VCEAZA1HW475M	10-CK8	AB		
〃	10-C511	AB		
〃	10-C519	AB		
〃	10-C627	AB		
〃	10-C628	AB		
〃	10-CK71	AB		
VCEAZA1HW476M	10-C809	AB		
〃	10-C810	AB		
〃	10-C905	AB		
〃	10-C906	AB		
VCEAZA1JW227M	10-C808	AD		
VCEAZA1VW107M	10-C811	AC		
VCEAZA2AW107M	10-C912	AD		
〃	10-C913	AD		
〃	10-C914	AD		
〃	10-C915	AD		
〃	10-C936	AD		
〃	10-C937	AD		
〃	10-C938	AD		
〃	10-C939	AD		
VCEAZA2AW226M	10-C807	AC		
VCEAZW1EW688M	10-C836	AL		
VCFYDA2AA224J	10-C801	AD		
〃	10-C802	AD		
VCFYFA1HA104J	10-C805	AC		
〃	10-C806	AC		
〃	10-C855	AC		
〃	10-C860	AC		
〃	10-C904	AC		
〃	10-C911	AC		
〃	10-CK10	AC		
〃	10-CK11	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-CK54	AC		
〃	10-CK73	AC		
〃	10-CK74	AC		
〃	10-CK75	AC		
VCFYFA1HA124J	10-C619	AL		
〃	10-C620	AL		
〃	10-C673	AL		
VCFYFA1HA154J	10-CK31	AB		
VCFYFA1HA224J	10-C921	AC		
〃	10-C922	AC		
〃	10-C923	AC		
〃	10-C924	AC		
〃	10-C945	AC		
〃	10-C946	AC		
〃	10-C947	AC		
〃	10-C948	AC		
〃	10-CK16	AC		
〃	10-CK20	AC		
VCFYFA1HA334J	10-C530	AC		
VCFYFA1HA683J	10-C532	AB		
〃	10-C676	AB		
〃	10-CK15	AB		
〃	10-CK21	AB		
VCKYBT1HB101K	10-C318	AA		
〃	10-C383	AA		
VCKYBT1HB102K	10-C320	AA		
〃	10-C389	AA		
〃	10-CK55	AA		
VCKYBT1HB181K	10-C103	AA		
VCKYCY1CB104K	10-C3101	AB		
〃	10-C3102	AB		
〃	10-C3103	AB		
〃	10-C3115	AB		
〃	10-C3116	AB		
〃	10-C3118	AB		
〃	10-C3119	AB		
〃	10-C3131	AB		
〃	10-C3132	AB		
〃	10-C3135	AB		
〃	10-C3136	AB		
〃	10-C3202	AB		
〃	10-C3204	AB		
〃	10-C3205	AB		
〃	10-C3206	AB		
〃	10-C3208	AB		
〃	10-C3210	AB		
〃	10-C3211	AB		
〃	10-C3216	AB		
〃	10-C3219	AB		
〃	10-C3220	AB		
〃	10-C3222	AB		
〃	10-C3223	AB		
〃	10-C3225	AB		
〃	10-C3226	AB		
〃	10-C3227	AB		
〃	10-C3228	AB		
〃	10-C3230	AB		
〃	10-C3231	AB		
〃	10-C3233	AB		
〃	10-C3235	AB		
〃	10-C3236	AB		
〃	10-C3237	AB		
〃	10-C3238	AB		
〃	10-C3241	AB		
〃	10-C3242	AB		
〃	10-C3243	AB		
〃	10-C3244	AB		
〃	10-C3245	AB		
〃	10-C3246	AB		
〃	10-C3247	AB		
〃	10-C3248	AB		
〃	10-C3249	AB		
〃	10-C3250	AB		
〃	10-C3251	AB		
〃	10-C3252	AB		
〃	10-C3254	AB		
〃	10-C3255	AB		
〃	10-C3256	AB		
〃	10-C3258	AB		
〃	10-C3259	AB		
〃	10-C3260	AB		
〃	10-C3262	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C3263	AB		
〃	10-C3266	AB		
〃	10-C3308	AB		
〃	10-C3309	AB		
〃	10-C3322	AB		
〃	10-C3402	AB		
〃	10-C3602	AB		
〃	10-C3604	AB		
〃	10-C3606	AB		
〃	10-C3608	AB		
〃	10-C3609	AB		
〃	10-C3702	AB		
〃	10-C3708	AB		
VCKYCY1CB105K	10-C3134	AB		
VCKYCY1EF223Z	10-C121	AB		
〃	10-C135	AB		
〃	10-C306	AB		
〃	10-C312	AB		
〃	10-C316	AB		
〃	10-C323	AB		
〃	10-C332	AB		
〃	10-C342	AB		
〃	10-C343	AB		
〃	10-C350	AB		
〃	10-C351	AB		
〃	10-C353	AB		
〃	10-C354	AB		
〃	10-C361	AB		
〃	10-C363	AB		
〃	10-C387	AB		
〃	10-C395	AB		
〃	10-C397	AB		
〃	10-C399	AB		
〃	10-C703	AB		
〃	10-C704	AB		
〃	10-C709	AB		
〃	10-C716	AB		
〃	10-C3905	AB		
VCKYCY1EF473Z	10-C331	AB		
〃	10-C705	AB		
〃	10-C706	AB		
〃	10-C714	AB		
VCKYCY1HB102K	10-C302	AA		
〃	10-C309	AA		
〃	10-C317	AA		
〃	10-C356	AA		
〃	10-C366	AA		
〃	10-C384	AA		
〃	10-C388	AA		
〃	10-C392	AA		
〃	10-C510	AA		
〃	10-C609	AA		
〃	10-C610	AA		
〃	10-C649	AA		
〃	10-C927	AA		
〃	10-C928	AA		
〃	10-C3105	AA		
〃	10-C3107	AA		
VCKYCY1HB103K	10-C304	AA		
〃	10-C315	AA		
〃	10-C385	AA		
〃	10-C713	AA		
〃	10-C715	AA		
〃	10-C916	AA		
〃	10-C917	AA		
〃	10-C940	AA		
〃	10-C941	AA		
〃	10-C951	AA		
〃	10-C3122	AA		
〃	10-C3229	AA		
〃	10-C3268	AA		
〃	10-C3269	AA		
〃	10-C3323	AA		
〃	10-C3403	AA		
〃	10-C3907	AA		
VCKYCY1HB104K	10-C845	AD		
VCKYCY1HB152K	10-C3129	AA		
VCKYCY1HB221K	10-C611	AA		
〃	10-C612	AA		
〃	10-C613	AA		
〃	10-C682	AA		
VCKYCY1HB222K	10-C119	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-C120	AA		
〃	10-C623	AA		
〃	10-C624	AA		
〃	10-C666	AA		
〃	10-C667	AA		
VCKYCY1HB271K	10-C123	AA		
〃	10-C124	AA		
VCKYCY1HB331K	10-C109	AA		
〃	10-C110	AA		
〃	10-C386	AA		
VCKYCY1HB332K	10-C129	AA		
〃	10-C130	AA		
VCKYCY1HB333K	10-C113	AB		
VCKYCY1HB472K	10-C3126	AA		
〃	10-C3128	AA		
VCKYCY1HB473K	10-C717	AB		
〃	10-C718	AB		
〃	10-C3121	AB		
VCKYCY1HB561K	10-C101	AA		
〃	10-C102	AA		
〃	10-C105	AA		
〃	10-C106	AA		
〃	10-C115	AA		
〃	10-C116	AA		
〃	10-C335	AA		
〃	10-C645	AA		
〃	10-C646	AA		
〃	10-C3123	AA		
〃	10-C3124	AA		
〃	10-C3127	AA		
VCKYCY1HB681K	10-C668	AA		
VCKYCY1HB821K	10-C3125	AA		
VCKYPA1HB102K	10-CK14	AA		
〃	10-CK23	AA		
VCKYPA1HB221K	10-C7004	AA		
〃	10-C7005	AA		
VCKYPA1HB331K	10-C107	AA		
〃	10-C108	AA		
VCKYPA1HB391K	10-C690	AA		
〃	10-C691	AA		
VCKYPA1HF223Z	10-C615	AB		
〃	10-C820	AB		
VCKZPA1HF103Z	10-C652	AA		
VCKZPA1HF223Z	10-CK19	AA		
〃	10-CK42	AA		
VCQPKA2AA822J	10-C138	AA		
VCQYKA1HM104K	10-C621	AB		
〃	10-C622	AB		
〃	10-C803	AB		
〃	10-C804	AB		
〃	10-C813	AB		
〃	10-C826	AB		
〃	10-C827	AB		
〃	10-C842	AB		
〃	10-C856	AB		
〃	10-C935	AB		
VCQYKA1HM223K	10-CK80	AB		
〃	10-CK81	AB		
VCQYKA1HM393K	10-C139	AB		
VCQYKA1HM473K	10-C137	AB		
VCTYPA1CX103K	10-CK1	AA		
〃	10-C7008	AA		
VCTYPA1CX153K	10-C373	AA		
〃	10-C374	AA		
VCTYPA1CX223K	10-C127	AA		
〃	10-C128	AA		
〃	10-C365	AA		
VCTYPA1CX472K	10-CK13	AA		
〃	10-CK22	AA		
VCTYPA1EX333K	10-C114	AA		
VHCSVC230C/-1	8-VD302	AD		
〃	8-VD303	AD		
VHCSVC347S/-1	8-VD301	AG		
VHD1N4148H/-1	3-D301	AA		
〃	3-D302	AA		
〃	3-D305	AA		
〃	3-D501	AA		
〃	3-D503	AA		
〃	3-D504	AA		
〃	3-D505	AA		
〃	3-D506	AA		
〃	3-D508	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-D690	AA		
〃	3-D691	AA		
〃	3-D706	AA		
〃	3-D707	AA		
〃	3-D708	AA		
〃	3-D709	AA		
〃	3-D710	AA		
〃	3-D711	AA		
〃	3-D712	AA		
〃	3-D713	AA		
〃	3-D808	AA		
〃	3-D812	AA		
〃	3-D815	AA		
〃	3-D816	AA		
〃	3-D817	AA		
〃	3-D820	AA		
〃	3-D821	AA		
〃	3-D852	AA		
〃	3-D853	AA		
〃	3-D901	AA		
〃	3-D902	AA		
〃	3-D903	AA		
〃	3-D904	AA		
〃	3-D905	AA		
〃	3-D906	AA		
〃	3-D907	AA		
〃	3-D908	AA		
〃	3-D909	AA		
〃	3-D910	AA		
〃	3-D7007	AA		
〃	3-D7008	AA		
〃	3-D7009	AA		
〃	3-D7010	AA		
VHDD1FH3+++-1	3-D807	AE		
VHDDS1N404S-1	3-D805	AB		
〃	3-D806	AB		
VHDDS1SS133-1	3-DK1	AB		
〃	3-DK2	AB		
VHDGD1N4004-1	3-D818	AB		
〃	3-D819	AB		
〃	3-D823	AB		
〃	3-D911	AB		
〃	3-D912	AB		
〃	3-D913	AB		
〃	3-D914	AB		
VHDKDS184//-1	3-D3001	AB		
VHDRL204F//-1	3-D803	AC		
〃	3-D804	AC		
〃	3-D850	AC		
〃	3-D851	AC		
VHDTS10B05G-1	3-D802	AH		
VHDTS20P05G-1	3-D801	AL		
VHEDZ110BSB-1	3-ZD805	AB		
VHEDZ150BSB-1	3-ZD901	AB		
〃	3-ZD902	AB		
〃	3-ZD903	AB		
〃	3-ZD904	AB		
VHEDZ300BSB-1	3-ZD802	AB		
VHEDZ5R1BSB-1	3-ZD351	AC		
VHEDZ6R2BSA-1	3-ZD803	AB		
VHEDZ6R8BSA-1	3-ZD804	AC		
VHEDZ7R5BSB-1	3-ZD801	AB		
VHEMTZJ5R6B-1	3-ZDK1	AD		
VHiAK4384//-1	1-iC3301	AM		
VHiAN7345K/-1	1-iC101	AM		
VHiAN80T53/-1	1-iC903	AL		
VHiBD9701T-V5	1-iC801	AM		
VHiEN29LV800B	1-iC3202	AW		
VHiiC42S16400	1-iC3206	AZ		
VHiKiA4558F-1	1-iC503	AF		
VHiKiA4558P-1	1-iCK2	AC		
VHiKiA7808AP1	1-iC852	AF		
VHiKiA78L05-1	1-iC802	AF		
VHiLA1832S/-1	1-iC303	AN		
VHiLA6261//-1	1-iC3001	AN		
VHiLA73054/-1	1-iC3701	AM		
VHiLA9703W/-1	1-iC3101	AQ		
VHiLC72131/-1	1-iC302	AP		
VHiLC74231HNW	1-iC3201	BK		
VHiLC75341/-1	1-iC601	AM		
VHiLD1117V/-1	1-iC856	AG		
VHiLD1117V33/	1-iC857	AG		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VHiM24C04WMN-	1-iC3203	AF		
VHiM65856SP-1	1-iCK1	AX		
VHiNJM2533M-1	1-iC602	AF		
VHiSTK41249-1	1-iC901	AZ		
〃	1-iC902	AZ		
VHiTA7358AP-1	1-iC301	AG		
VHiTC7SHU04FU	1-iC3204	AD		
〃	1-iC3205	AD		
VHLK603TH2E-1	12-RX701	AG		
VHPGP1S094HCZ	12-RX1	AF		
VHPSDPB40F2A-	3-LED503	AK		
〃	3-LED505	AK		
VHPSDPB50CD-1	3-LED701	AK		
VHPSLR342VCB1	3-LED702	AC		
VHPTOTX141/-1	12-iC501	AK		
VP-DH100K0000	6-L7001	AB		
VP-DH101K0000	6-L351	AB		
〃	6-L352	AB		
〃	6-L701	AB		
VP-DH2R2K0000	6-L342	AB		
VP-MK331K0000	6-L103	AB		
VRD-RT2HD100J	11-R927	AA		
〃	11-R928	AA		
〃	11-R929	AA		
〃	11-R930	AA		
〃	11-R959	AA		
〃	11-R960	AA		
〃	11-R961	AA		
〃	11-R962	AA		
VRD-RT2HD101J	11-RK14	AA		
〃	11-RK15	AA		
VRD-RT2HD102J	11-R973	AA		
VRD-RT2HD152J	11-R922	AA		
〃	11-R923	AA		
〃	11-R954	AA		
〃	11-R955	AA		
VRD-RT2HD222J	11-R803	AA		
VRD-RT2HD820J	11-R142	AA		
VRD-ST2CD101J	11-R854	AA		
〃	11-RK12	AA		
〃	11-RK38	AA		
VRD-ST2CD102J	11-RC4	AA		
〃	11-RK7	AA		
〃	11-RK9	AA		
〃	11-R617	AA		
〃	11-R618	AA		
〃	11-R619	AA		
〃	11-R702	AA		
〃	11-R703	AA		
〃	11-R704	AA		
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〃	11-R708	AA		
〃	11-R709	AA		
〃	11-R710	AA		
〃	11-R711	AA		
〃	11-R717	AA		
〃	11-R718	AA		
〃	11-R719	AA		
〃	11-R720	AA		
〃	11-R721	AA		
〃	11-R722	AA		
〃	11-R723	AA		
〃	11-R724	AA		
〃	11-R726	AA		
〃	11-R729	AA		
〃	11-R733	AA		
〃	11-R734	AA		
〃	11-R735	AA		
〃	11-R736	AA		
〃	11-R737	AA		
〃	11-R738	AA		
〃	11-R739	AA		
〃	11-R740	AA		
〃	11-R741	AA		
〃	11-R742	AA		
〃	11-R743	AA		
〃	11-R744	AA		
〃	11-R745	AA		
〃	11-R767	AA		
〃	11-R768	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R795	AA		
〃	11-R796	AA		
〃	11-R797	AA		
〃	11-R798	AA		
〃	11-R799	AA		
〃	11-RD13	AA		
〃	11-RD24	AA		
〃	11-RK10	AA		
〃	11-RK11	AA		
〃	11-RK70	AA		
VRD-ST2CD103J	11-RK1	AA		
〃	11-RK4	AA		
〃	11-R135	AA		
〃	11-R138	AA		
〃	11-R139	AA		
〃	11-R309	AA		
〃	11-R601	AA		
〃	11-R602	AA		
〃	11-R713	AA		
〃	11-R727	AA		
〃	11-R752	AA		
〃	11-R753	AA		
〃	11-R763	AA		
〃	11-R770	AA		
〃	11-R771	AA		
〃	11-R772	AA		
〃	11-R779	AA		
〃	11-R780	AA		
〃	11-R781	AA		
〃	11-R782	AA		
〃	11-R783	AA		
〃	11-R788	AA		
〃	11-R810	AA		
〃	11-R814	AA		
〃	11-RK41	AA		
〃	11-RK42	AA		
〃	11-RK48	AA		
〃	11-RK49	AA		
〃	11-RK50	AA		
VRD-ST2CD104J	11-R777	AA		
〃	11-R809	AA		
VRD-ST2CD112J	11-RC6	AA		
VRD-ST2CD121J	11-RC8	AA		
〃	11-R714	AA		
〃	11-R715	AA		
〃	11-R716	AA		
〃	11-R725	AA		
VRD-ST2CD122J	11-RK13	AA		
VRD-ST2CD123J	11-R806	AA		
〃	11-RK80	AA		
〃	11-RK81	AA		
VRD-ST2CD151J	11-R133	AA		
VRD-ST2CD152J	11-R920	AA		
〃	11-RD04	AA		
〃	11-RD25	AA		
VRD-ST2CD153J	11-R111	AA		
VRD-ST2CD181J	11-R549	AA		
〃	11-R551	AA		
VRD-ST2CD182J	11-RK39	AA		
〃	11-RK40	AA		
VRD-ST2CD183J	11-RK43	AA		
〃	11-RK46	AA		
VRD-ST2CD184J	11-R136	AA		
〃	11-R137	AA		
VRD-ST2CD220J	11-R314	AA		
〃	11-R545	AA		
VRD-ST2CD221J	11-RC3	AA		
VRD-ST2CD222J	11-R731	AA		
〃	11-RD05	AA		
VRD-ST2CD223J	11-R386	AA		
〃	11-R818	AA		
〃	11-R819	AA		
〃	11-R820	AA		
VRD-ST2CD272J	11-RD06	AA		
VRD-ST2CD331J	11-R603	AA		
〃	11-R604	AA		
〃	11-R754	AA		
〃	11-R855	AA		
VRD-ST2CD332J	11-RC5	AA		
〃	11-RC7	AA		
〃	11-R358	AA		
〃	11-R825	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRD-ST2CD391J	11-RC1	AA		
〃	11-RK36	AA		
〃	11-RK37	AA		
VRD-ST2CD393J	11-R692	AA		
〃	11-R693	AA		
VRD-ST2CD471J	11-R375	AA		
〃	11-R851	AA		
VRD-ST2CD472J	11-R141	AA		
〃	11-R757	AA		
〃	11-R758	AA		
〃	11-R764	AA		
〃	11-R769	AA		
〃	11-RK72	AA		
〃	11-RK73	AA		
VRD-ST2CD473J	11-R519	AA		
〃	11-R750	AA		
〃	11-R776	AA		
〃	11-R802	AA		
〃	11-R805	AA		
VRD-ST2CD4R7J	11-R145	AA		
VRD-ST2CD560J	11-R115	AA		
〃	11-R116	AA		
〃	11-R852	AA		
VRD-ST2CD561J	11-R728	AA		
VRD-ST2CD562J	11-RK8	AA		
〃	11-R384	AA		
〃	11-R387	AA		
〃	11-R759	AA		
〃	11-R773	AA		
〃	11-R784	AA		
〃	11-R785	AA		
〃	11-RK71	AA		
VRD-ST2CD563J	11-RK2	AA		
〃	11-RK3	AA		
VRD-ST2CD5R6J	11-R850	AA		
VRD-ST2CD681J	11-R730	AA		
VRD-ST2CD682J	11-R628	AA		
〃	11-R629	AA		
〃	11-R690	AA		
〃	11-R691	AA		
〃	11-RK44	AA		
〃	11-RK45	AA		
VRD-ST2CD750J	11-R7001	AA		
〃	11-R7002	AA		
〃	11-R7003	AA		
〃	11-R7005	AA		
〃	11-R7006	AA		
〃	11-R7007	AA		
VRD-ST2CD820J	11-R643	AA		
VRD-ST2CD821J	11-RC2	AA		
〃	11-RD23	AA		
VRD-ST2CD822J	11-R755	AA		
〃	11-R756	AA		
〃	11-RK47	AA		
VRD-ST2EE101J	11-R501	AA		
〃	11-R804	AA		
VRD-ST2EE151J	11-R149	AA		
〃	11-R382	AA		
VRD-ST2EE1R5J	11-R747	AA		
〃	11-R786	AA		
VRD-ST2EE221J	11-R158	AA		
〃	11-R977	AA		
VRD-ST2EE271J	11-R391	AA		
〃	11-R392	AA		
VRD-ST2EE393J	11-R836	AA		
〃	11-R837	AA		
VRD-ST2EE470J	11-R807	AA		
〃	11-R808	AA		
VRD-ST2EE473J	11-R834	AA		
〃	11-R835	AA		
VRG-ST2EC101J	11-R912	AB		
〃	11-R913	AB		
〃	11-R942	AB		
〃	11-R943	AB		
VRN-VV3LAR10J	11-R916	AD		
〃	11-R917	AD		
〃	11-R948	AD		
〃	11-R949	AD		
VRN-VV3LAR22J	11-R914	AC		
〃	11-R915	AC		
〃	11-R946	AC		
〃	11-R947	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRS-CY1JB000J	11-	AA		
〃	11-R3115	AA		
〃	11-R3116	AA		
〃	11-R3117	AA		
〃	11-R3118	AA		
〃	11-R3120	AA		
〃	11-R3227	AA		
〃	11-R3228	AA		
〃	11-R3313	AA		
〃	11-R3318	AA		
〃	11-R3705	AA		
〃	11-FB3101	AA		
〃	11-FB3102	AA		
〃	11-FB3103	AA		
〃	11-FB3104	AA		
〃	11-FB3105	AA		
〃	11-FB3106	AA		
〃	11-FB3107	AA		
〃	11-FB3201	AA		
〃	11-FB3202	AA		
〃	11-FB3203	AA		
〃	11-FB3204	AA		
〃	11-FB3205	AA		
〃	11-FB3206	AA		
〃	11-FB3207	AA		
〃	11-FB3208	AA		
〃	11-FB3302	AA		
〃	11-FB3601	AA		
〃	11-FB3602	AA		
〃	11-FB3603	AA		
〃	11-FB3604	AA		
〃	11-FB3605	AA		
〃	11-FB3606	AA		
〃	11-FB3702	AA		
〃	11-FB3703	AA		
〃	11-FB3704	AA		
〃	11-FB3706	AA		
〃	11-FB3707	AA		
〃	11-FB3708	AA		
〃	11-FB3709	AA		
〃	11-FB3710	AA		
VRS-CY1JB100J	11-R302	AA		
〃	11-R3012	AA		
〃	11-R3014	AA		
VRS-CY1JB101J	11-R524	AA		
〃	11-R647	AA		
〃	11-R778	AA		
〃	11-R3311	AA		
VRS-CY1JB102J	11-R101	AA		
〃	11-R102	AA		
〃	11-R113	AA		
〃	11-R114	AA		
〃	11-R352	AA		
〃	11-R356	AA		
〃	11-R372	AA		
〃	11-R373	AA		
〃	11-R374	AA		
〃	11-R376	AA		
〃	11-R378	AA		
〃	11-R393	AA		
〃	11-R513	AA		
〃	11-R534	AA		
〃	11-R540	AA		
〃	11-R638	AA		
〃	11-R640	AA		
〃	11-R701	AA		
〃	11-R813	AA		
〃	11-R904	AA		
〃	11-R910	AA		
〃	11-R911	AA		
〃	11-R935	AA		
〃	11-R936	AA		
〃	11-R944	AA		
〃	11-R945	AA		
〃	11-R966	AA		
〃	11-R976	AA		
〃	11-RD03	AA		
〃	11-R3013	AA		
〃	11-R3015	AA		
〃	11-R3205	AA		
〃	11-R3206	AA		
〃	11-R3207	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R3208	AA		
〃	11-R3209	AA		
〃	11-R3301	AA		
〃	11-R3302	AA		
〃	11-R3404	AA		
〃	11-R3505	AA		
VRS-CY1JB103J	11-R134	AA		
〃	11-R146	AA		
〃	11-R147	AA		
〃	11-R336	AA		
〃	11-R365	AA		
〃	11-R381	AA		
〃	11-R507	AA		
〃	11-R508	AA		
〃	11-R510	AA		
〃	11-R523	AA		
〃	11-R542	AA		
〃	11-R544	AA		
〃	11-R622	AA		
〃	11-R623	AA		
〃	11-R660	AA		
〃	11-R661	AA		
〃	11-R675	AA		
〃	11-R746	AA		
〃	11-R760	AA		
〃	11-R761	AA		
〃	11-R762	AA		
〃	11-R774	AA		
〃	11-R775	AA		
〃	11-RD30	AA		
〃	11-R3003	AA		
〃	11-R3004	AA		
〃	11-R3005	AA		
〃	11-R3006	AA		
〃	11-R3010	AA		
〃	11-R3011	AA		
〃	11-R3036	AA		
〃	11-R3038	AA		
〃	11-R3103	AA		
〃	11-R3220	AA		
〃	11-R3223	AA		
〃	11-R3224	AA		
〃	11-R3230	AA		
〃	11-R3402	AA		
〃	11-R3501	AA		
〃	11-R3502	AA		
〃	11-R3503	AA		
VRS-CY1JB104J	11-R117	AA		
〃	11-R118	AA		
〃	11-R311	AA		
〃	11-R509	AA		
〃	11-R512	AA		
〃	11-R516	AA		
〃	11-R531	AA		
〃	11-R787	AA		
〃	11-R3203	AA		
VRS-CY1JB105J	11-R3201	AA		
VRS-CY1JB122J	11-R504	AA		
〃	11-R3215	AA		
〃	11-R3219	AA		
VRS-CY1JB123J	11-R121	AA		
〃	11-R122	AA		
〃	11-R537	AA		
〃	11-R620	AA		
〃	11-R621	AA		
〃	11-R3001	AA		
〃	11-R3403	AA		
VRS-CY1JB125J	11-R3031	AA		
〃	11-R3040	AA		
VRS-CY1JB150J	11-R3202	AB		
VRS-CY1JB151J	11-R132	AA		
VRS-CY1JB152J	11-R380	AA		
〃	11-R921	AA		
〃	11-R950	AA		
〃	11-R951	AA		
〃	11-R969	AA		
〃	11-R970	AA		
〃	11-R971	AA		
〃	11-R972	AA		
〃	11-RD14	AA		
〃	11-R3222	AA		
VRS-CY1JB153J	11-R112	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R607	AA		
〃	11-R608	AA		
〃	11-R974	AA		
〃	11-R989	AA		
〃	11-RD31	AA		
〃	11-R3002	AA		
VRS-CY1JB182J	11-R359	AA		
〃	11-R811	AA		
〃	11-R3218	AA		
VRS-CY1JB183J	11-R530	AA		
〃	11-R538	AA		
〃	11-R539	AA		
〃	11-R3406	AA		
VRS-CY1JB221J	11-R514	AA		
〃	11-R646	AA		
〃	11-R648	AA		
〃	11-R649	AA		
VRS-CY1JB222J	11-R103	AA		
〃	11-R104	AA		
〃	11-R130	AA		
〃	11-R131	AA		
〃	11-R379	AA		
〃	11-R605	AA		
〃	11-R606	AA		
〃	11-R611	AA		
〃	11-R612	AA		
〃	11-R615	AA		
〃	11-R616	AA		
〃	11-R644	AA		
〃	11-R650	AA		
〃	11-R671	AA		
〃	11-R672	AA		
〃	11-R812	AA		
〃	11-RD26	AA		
〃	11-R3024	AA		
〃	11-R3025	AA		
〃	11-R3026	AA		
〃	11-R3027	AA		
〃	11-R3231	AA		
VRS-CY1JB223J	11-R144	AA		
〃	11-R636	AA		
〃	11-R637	AA		
〃	11-R667	AA		
〃	11-R668	AA		
〃	11-R673	AA		
〃	11-R679	AA		
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〃	11-R829	AA		
〃	11-R830	AA		
〃	11-R3008	AA		
〃	11-R3009	AA		
〃	11-R3114	AA		
〃	11-R3216	AA		
〃	11-R3217	AA		
VRS-CY1JB225J	11-R3028	AA		
〃	11-R3035	AA		
VRS-CY1JB271J	11-R353	AA		
〃	11-R3023	AA		
VRS-CY1JB272J	11-R350	AA		
〃	11-R527	AA		
〃	11-R632	AA		
〃	11-R633	AA		
〃	11-R766	AA		
〃	11-RD27	AA		
VRS-CY1JB273J	11-R662	AA		
〃	11-R664	AA		
〃	11-R3037	AA		
〃	11-R3039	AA		
〃	11-R3225	AA		
VRS-CY1JB330J	11-R327	AA		
VRS-CY1JB332J	11-R105	AA		
〃	11-R106	AA		
〃	11-R355	AA		
〃	11-R645	AA		
〃	11-R663	AA		
〃	11-R665	AA		
〃	11-R918	AA		
〃	11-R919	AA		
〃	11-R952	AA		
〃	11-R953	AA		
〃	11-R3405	AA		
VRS-CY1JB333J	11-R313	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R670	AA		
〃	11-R676	AA		
〃	11-R909	AA		
〃	11-R941	AA		
〃	11-R987	AA		
〃	11-RD32	AA		
〃	11-R3018	AA		
〃	11-R3108	AA		
〃	11-R3110	AA		
〃	11-R3204	AA		
VRS-CY1JB334J	11-R687	AA		
VRS-CY1JB391J	11-R609	AA		
〃	11-R610	AA		
〃	11-R3701	AA		
〃	11-R3702	AA		
〃	11-R3703	AA		
〃	11-R3704	AA		
VRS-CY1JB392J	11-R119	AA		
〃	11-R120	AA		
〃	11-R128	AA		
〃	11-R129	AA		
〃	11-R388	AA		
〃	11-R624	AA		
〃	11-R625	AA		
〃	11-RD07	AA		
〃	11-RD28	AA		
VRS-CY1JB393J	11-R669	AA		
VRS-CY1JB471J	11-R543	AA		
VRS-CY1JB472J	11-R109	AA		
〃	11-R110	AA		
〃	11-R148	AA		
〃	11-R316	AA		
〃	11-R360	AA		
〃	11-R528	AA		
〃	11-R535	AA		
〃	11-R541	AA		
〃	11-R630	AA		
〃	11-R631	AA		
〃	11-R634	AA		
〃	11-R635	AA		
〃	11-R765	AA		
〃	11-R978	AA		
〃	11-R3019	AA		
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〃	11-R3046	AA		
〃	11-R3047	AA		
〃	11-R3048	AA		
〃	11-R3221	AA		
〃	11-R3226	AA		
〃	11-R3309	AA		
〃	11-R3316	AA		
〃	11-R3317	AA		
VRS-CY1JB473J	11-R01	AA		
〃	11-R02	AA		
〃	11-R03	AA		
〃	11-R04	AA		
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〃	11-R19	AA		
〃	11-R20	AA		
〃	11-R107	AA		
〃	11-R108	AA		
〃	11-R140	AA		
〃	11-R143	AA		
〃	11-R325	AA		
〃	11-R377	AA		
〃	11-R395	AA		
〃	11-R556	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	11-R831	AA		
〃	11-R832	AA		
〃	11-R965	AA		
〃	11-R3007	AA		
〃	11-R3029	AA		
〃	11-R3030	AA		
〃	11-R3032	AA		
〃	11-R3033	AA		
〃	11-R3042	AA		
〃	11-R3043	AA		
〃	11-R3101	AA		
〃	11-R3210	AA		
〃	11-R3211	AA		
〃	11-R3504	AA		
VRS-CY1JB474J	11-R357	AA		
VRS-CY1JB561J	11-R905	AA		
〃	11-R906	AA		
〃	11-R939	AA		
〃	11-R940	AA		
VRS-CY1JB562J	11-R351	AA		
〃	11-R383	AA		
〃	11-R385	AA		
〃	11-R626	AA		
〃	11-R627	AA		
〃	11-R988	AA		
〃	11-RD29	AA		
〃	11-R3102	AA		
VRS-CY1JB563J	11-R902	AA		
〃	11-R903	AA		
〃	11-R907	AA		
〃	11-R908	AA		
〃	11-R924	AA		
〃	11-R925	AA		
〃	11-R926	AA		
〃	11-R933	AA		
〃	11-R934	AA		
〃	11-R937	AA		
〃	11-R938	AA		
〃	11-R956	AA		
〃	11-R957	AA		
〃	11-R958	AA		
VRS-CY1JB681J	11-R322	AA		
〃	11-R732	AA		
〃	11-R833	AA		
〃	11-RD01	AA		
〃	11-RD11	AA		
〃	11-RD22	AA		
〃	11-R3017	AA		
〃	11-R3213	AA		
VRS-CY1JB682J	11-R123	AA		
〃	11-R124	AA		
〃	11-R511	AA		
〃	11-R517	AA		
〃	11-R613	AA		
〃	11-R614	AA		
〃	11-R3105	AA		
〃	11-R3106	AA		
〃	11-R3107	AA		
〃	11-R3109	AA		
〃	11-R3111	AA		
〃	11-R3113	AA		
〃	11-R3401	AA		
VRS-CY1JB683J	11-R150	AA		
〃	11-R323	AA		
〃	11-R975	AA		
〃	11-R3104	AA		
VRS-CY1JB821J	11-RD02	AA		
〃	11-RD12	AA		
〃	11-R3016	AA		
VRS-CY1JB822J	11-R126	AA		
〃	11-R127	AA		
〃	11-R3020	AA		
〃	11-R3022	AA		
VRS-CY1JB823J	11-R553	AA		
〃	11-R554	AA		
VRS-CY1JB824J	11-R3034	AA		
〃	11-R3041	AA		
VRS-VV3DA391J	11-R963	AC		
〃	11-R964	AC		
VSKRA107S//-1	2-Q607	AB		
〃	2-Q608	AB		
〃	2-Q612	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	2-Q665	AB		
〃	2-Q703	AB		
〃	2-Q705	AB		
〃	2-Q707	AB		
VSKRC102S//-1	2-Q702	AB		
〃	2-Q712	AB		
〃	2-Q803	AB		
VSKRC104S//-1	2-Q110	AC		
〃	2-Q113	AC		
〃	2-Q114	AC		
〃	2-Q507	AC		
〃	2-Q704	AC		
〃	2-Q706	AC		
〃	2-Q708	AC		
〃	2-Q713	AC		
VSKRC107S//-1	2-Q802	AB		
VSKTA1273Y/-1	2-Q709	AE		
〃	2-Q710	AE		
〃	2-Q711	AE		
VSKTA1274Y/-1	2-Q801	AE		
VSKTA1504GR-1	2-Q109	AB		
〃	2-Q112	AB		
〃	2-Q360	AB		
〃	2-Q3104	AB		
〃	2-Q3105	AB		
VSKTC3194Y/-1	2-Q302	AD		
VSKTC3199GR-1	2-QC1	AB		
〃	2-QC2	AB		
〃	2-QC3	AB		
VSKTC3200GR-1	2-Q101	AC		
〃	2-Q102	AC		
〃	2-Q103	AC		
〃	2-Q104	AC		
VSKTC3203Y/-1	2-QK1	AC		
〃	2-Q111	AC		
〃	2-Q506	AC		
〃	2-Q909	AC		
〃	2-Q910	AC		
〃	2-Q911	AC		
VSKTC3205Y/-1	2-Q503	AD		
VSKTC3265Y/-1	2-Q611	AC		
VSKTC3875GR-1	2-Q105	AB		
〃	2-Q106	AB		
〃	2-Q107	AB		
〃	2-Q108	AB		
〃	2-Q502	AB		
〃	2-Q504	AB		
〃	2-Q505	AB		
〃	2-Q601	AB		
〃	2-Q602	AB		
〃	2-Q603	AB		
〃	2-Q604	AB		
〃	2-Q605	AB		
〃	2-Q606	AB		
〃	2-Q609	AB		
〃	2-Q610	AB		
〃	2-Q663	AB		
〃	2-Q664	AB		
〃	2-Q804	AB		
〃	2-Q805	AB		
〃	2-Q806	AB		
〃	2-Q901	AB		
〃	2-Q902	AB		
〃	2-Q903	AB		
〃	2-Q904	AB		
〃	2-Q905	AB		
〃	2-Q906	AB		
〃	2-Q907	AB		
〃	2-Q908	AB		
〃	2-Q3103	AB		
VSKTK5133S/-1	2-Q3101	AC		
〃	2-Q3102	AC		
VVKNA11SS55-1	12-FL701	AV		
【 X 】				
XBBY720P04000	14-609	AA		
XEBSN26P10000	16-909	AB		
XEBSN30P10000	15-906	AA		
XEBSN40P16000	15-907	AC		
XEBY720P08000	13-803	AA		
XEBY720P12000	14-621	AA		
XEBY726P10000	14-604	AA		
XEBY730P10000	13-804	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	14-602	AA		
XEBY740P12000	17-905	AC		
XEBY840P14000	17-904			
XESY730P10000	14-605	AA		
XHBY730P06000	14-616	AB		
XJBY730P08000	14-618	AA		
XJBY730P10000	14-601	AA		
XJSY730P08000	14-606	AA		
XMBSN40P16000	16-911	AD		
XWHY732-10080	14-615	AB		
【 9 】				
92LCONE2P5268	12-CNP301	AB		
92LCONE2P53253	12-CNP971	AB		
〃	12-CNP7004	AB		
92LCONE3P5268	12-CNP7002	AC		
92LCONE3P53253	12-CNP7003	AB		
92LCONE3P53254	12-CN3011	AB		
92LCONE4P53253	12-CNPC1	AB		
92LCONE5P53253	12-CNP603	AB		
92LCONE6P53253	12-CNP802	AC		
92LCONE9P53253	12-CNP7001	AC		
92LCONEBP53253	12-CNPK1	AC		
92LCONEBP53254	12-CN3006	AD		
92LCRSTL1425A	9-X351	AF		
92LCSPR1431C	14-216	AA		
92LFANT1746A	18-11	AD		
92LFSHOLD1652	14-224	AB		
92LFUSET802E	12-F805	AD		
92LMTR1854BASY	12-NM2	AP		
92LMTR5515CASY	12-NM1	AS		
92LMTR5529BASY	12-M1	AD		
〃	12-M2	AD		
〃	13-M1	AD		
〃	13-M2	AD		
92LNBAND1318A	14-208	AA		
92LPWB6230LEDS	19-PWB-E	-		
92LPWB6297S	19-PWB-K	-		
92LPWB6385DVSS	19-PWB-G	-		
92LPWB6385MiCS	19-PWB-F	-		
92LPWB6385PWRS	19-PWB-B	-		
92LPWB6385TUNS	19-PWB-D	-		
92LPWB6394DVDS	19-PWB-C	-		
92LPWB6394MANS	19-PWB-A	-		
92LPWB6394SPKS	19-PWB-J	-		
92LPWB6395DVDS	19-PWB-C	-		
92LSWiCH1401AT	12-SW701	AC		
〃	12-SW702	AC		
〃	12-SW703	AC		
〃	12-SW704	AC		
〃	12-SW705	AC		
〃	12-SW706	AC		
〃	12-SW707	AC		
〃	12-SW708	AC		
〃	12-SW712	AC		
〃	12-SW713	AC		
〃	12-SW714	AC		
〃	12-SW715	AC		
〃	12-SW716	AC		
〃	12-SW724	AC		
〃	12-SW725	AC		
〃	12-SW726	AC		
〃	12-SW727	AC		
〃	12-SW728	AC		
〃	12-SW729	AC		
〃	12-SW730	AC		
〃	12-SW731	AC		
〃	12-SW732	AC		
〃	12-SW733	AC		
〃	12-SW734	AC		
〃	12-SW735	AC		

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

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Please call Toll-Free;
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Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J.. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J.. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:

Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

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SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan

Printed in Japan

A0507- 1 DS・HA・M
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